





The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

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CXLVIII

DECEMBER 13, 1947

Annual Subscription (with
Diary) 30/- Single Copies 1/-

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for Christmas and
the Coming Year*



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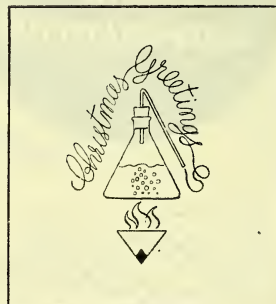
Even in health, to-day's diet provides barely sufficient vitamin C. But when illness comes, the body's requirement of the vitamin *always* rises sharply, emphasising the value of 'Celin' Tablets as a potent source of extra supplies. Medical men—and many members of the enlightened public—will be paying particular attention to vitamin C this winter. In 'Celin' Tablets, you have a dependable and economical preparation to meet their needs. For babies, of course, there are *Infant* 'Celin' Tablets, now frequently prescribed as a routine measure from the second month of life.

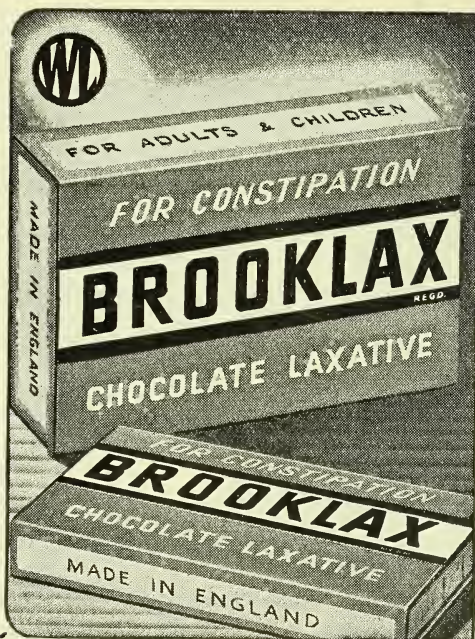


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of cash with order		*3 0 9	

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Amount	" 10%	4 6	
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		3 16 6	RETAIL VALUE 8/6
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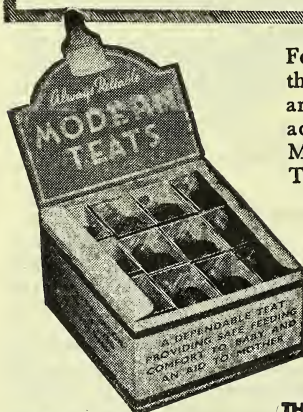
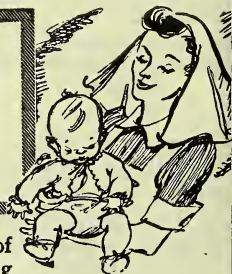
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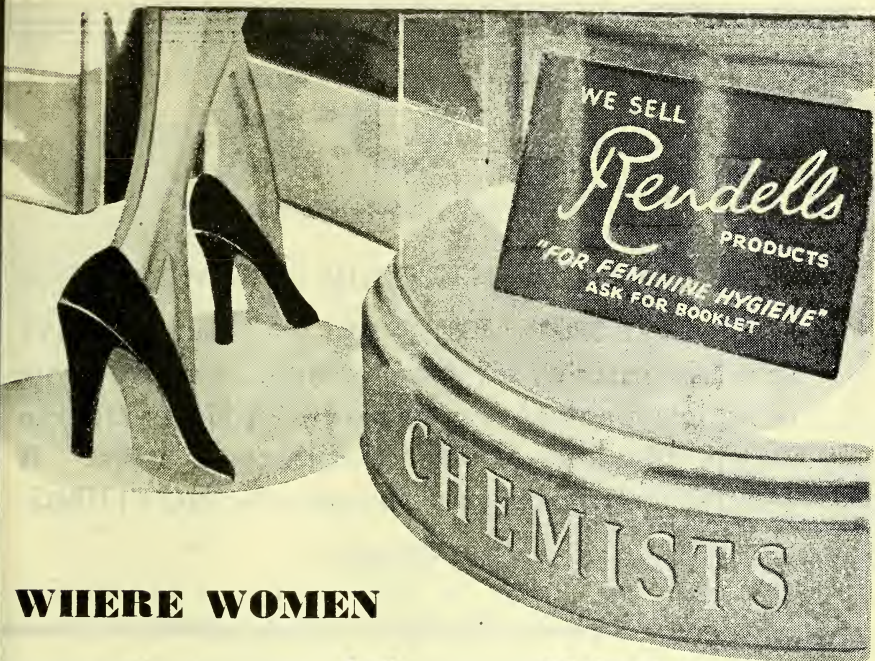
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We extend to our friends in the trade our Seasonable Greetings with the added wish that the coming New Year will see us well on the way to normal trading.



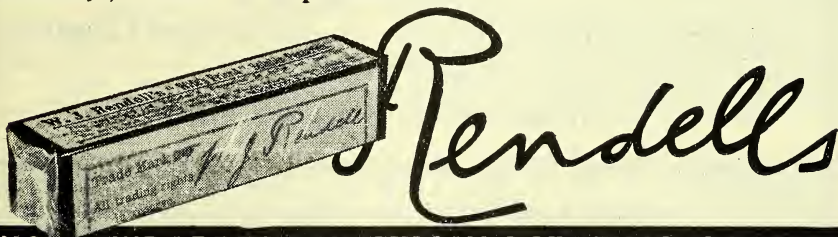
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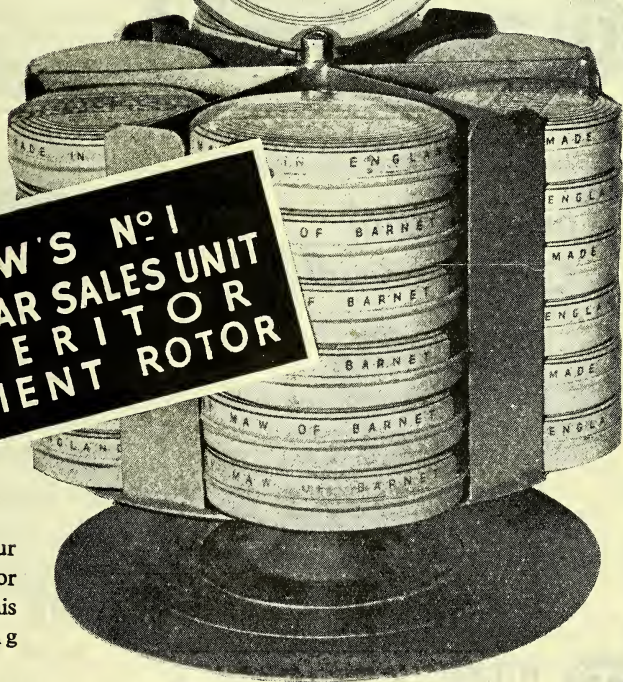
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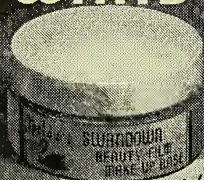


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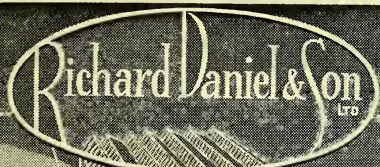
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6 x 10 c.c.	8/4	Bottle of 16 oz.	10/6
HYPOTENSYL 50 Tablets				THIONAIODINE Ampoules			
	...	250	22/6	'A' 6 x 5 c.c.	5/11
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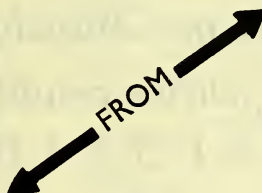
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- LOW COST OF OPERATION
- EASILY CLEANED



STILL

OUTPUT
2 pints per hour



OUTPUT
50 gallons
per hour

No. 4
STEAM
HEATED
STILL

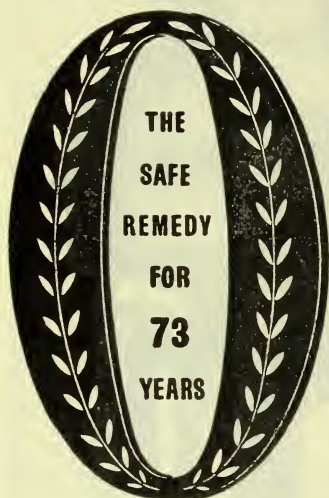
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Again—for the 74th year—Owbridge launch a new, arresting advertising campaign in the National Daily, Sunday, and Provincial Press—in Magazines—on Poster Sites—and Underground Railway Carriages to support the sales of this famous remedy. New window and counter display material is available to tie up with this national campaign.

PRICE 1/5 INCLUDING PURCHASE TAX

*As an Antacid
or in febrile conditions*

INVALID

Lembar

Soluble extract of
Barley ... 7.4%
Sugar ... 23.7%
Glucose ... 10.4%
Lemon Juice 37.0%

Plus Flavouring
and permitted
preservative

The above percentages
are expressed in
weight per given volume

justifies the doctor's highest
recommendation
Available in limited
quantities

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.1

ANOTHER PAGE FROM THE

STERLING

VOLUME

Page 193

Chemicals

MERCURIC IODIDE

Formula— HgI_2 . Mol. Wt. 454.5

Properties. A heavy scarlet-red powder which becomes lemon-yellow on heating to above 150°C , fusing and volatilising at about 350°C . Insoluble in water, slightly soluble in ether and alcohol, readily soluble in solutions of potassium iodide and of mercuric chloride.

Standard. The standard grade manufactured complies with the requirements of the British Pharmacopœia in all respects.

Uses. Mercuric Iodide is a powerful antiseptic and is used as such in lotions, ointments and medicinal soaps. It is to be preferred in many cases to mercuric chloride as being less irritant. It also finds application in the manufacture of temperature indicating paints.

Packages. Stoneware jars.

Manufacturers: THOMAS TYRER & Co. Ltd.
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Ext. Casc. Sagr. Gran. BP.
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as from 13th NOVEMBER, 1947

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'ALKIA' Saltrates	3/9d.	4/2d.
'BiSoDoL' Powder	1/7d.	1/9d.
'BiSoDoL' Powder	3/8d.	4/1d.
'BiSoDoL' Tablets	1/3d.	1/4d.
'BiSoDoL' Tablets	3/3d.	3/7d.
'BISURATED' Magnesia Powder	1/7d.	1/9d.
'BISURATED' Magnesia Powder	3/3d.	3/7d.
'BISURATED' Magnesia Powder Mint	1/7d.	1/9d.
'BISURATED' Magnesia Powder Mint	3/3d.	3/7d.
'BISURATED' Magnesia Tablets	1/7d.	1/9d.
'BISURATED' Magnesia Tablets	3/3d.	3/7d.
'BISUROIDS' Laxative Tablets	1/5d.	1/7d.
'FREEZONE' Corn Remover	1/8d.	1/10½d.
'FREEZONE' Corn Rings	4½d.	5d.
'FREEZONE' Foot Compound	2/-	2/2d.
'KOLYNOS' Dental Cream	1/3d.	1/4½d.
'KOLYNOS' Dental Cream	2/2d.	2/5d.
'KOLYNOS' Denture Powder... ..	1/3d.	1/4½d.
'KOLYNOS' Denture Powder... ..	2/2d.	2/5d.
* 'KOLYNOS' Denture Fixative	1/6d.	1/6d.
* 'KOLYNOS' Denture Fixative	3/9d.	3/9d.
Liquid 'KOLYNOS'	2/4d.	2/7½d.
'KOLYNOS' Shaving Cream	2/6d.	2/9d.
'LIMESTONE' Phosphate	2/6d.	2/9½d.
'NEMOLIN' Pile Ointment	3/6d.	3/10½d.
'PEROX' Tooth Paste	1/3d.	1/4d.
'PINEATE' Honey Cough-Syrup	1/9d.	1/11d.
'REUDEL' Bath Salts	1/10½d.	2/1d.
'SY-LAC'	2/2d.	2/5d.
'SY-LAC'	3/6½d.	3/11d.

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No, not a new perfume, but an expression of Goya's very sincere appreciation for the help and co-operation shown by all stockists of Goya during 1947—for their patience and continued loyalty when supplies have been very short, and for their tolerance in understanding the necessity of maintaining exports at the expense of the home market.

And, not least, appreciation for their forbearance in not shooting Goya's representatives when they say "No" so often—representatives, too, are in short supply.

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in Paris...*

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Punch*

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PINAUD Eau de Cologne—Chypre (Corbeille blanche).

PINAUD Extrait de Lavande de France.

All made to the original Paris formulæ.

PINAUD

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(Members of P.A.T.A., and H.T.A.)



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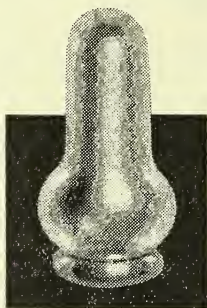
NOW RUNNING— STRONG NEW NATIONAL ADVERTISING CAMPAIGN FOR MACAULAY'S LUNG SYRUP

Check your stock — replacements should be ordered right away — the Macaulay's season is almost on us. A completely new idea in Lung Syrup advertising is going to bring sufferers from Coughs into your shop this winter to ask for Macaulay's—to demand it, in fact, and to walk out again if you are

out of stock. The big National Daily and Sunday newspapers and the important Provincial papers will have these advertisements. We create the demand; all you need do is carry the stock, display it, and reap the profit. Order Macaulay's from your usual wholesaler or direct from:

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WELFARE CLINICS
THROUGHOUT THE WORLD**

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WESTCLIFF-ON-SEA **ESSEX**



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Packed in half dozens

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Telephone BLAckfriars 8734



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what BABY LOTION is

An oil-in-water emulsion, homogenized under pressure to make it superfine.

Contains an antiseptic to reduce the danger of infection.

Not sticky or messy; will not spoil baby's clothes.

what BABY LOTION does

Gives waterproof protection against urine and so prevents nappie irritation.

Also excellent for soothing chapped, chafed areas, preventing soreness and keeping baby skin satin-smooth and healthy.

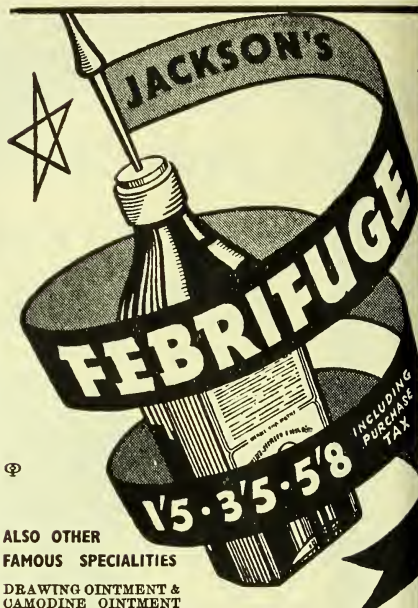
when BABY LOTION should be used

After every nappie change and for "tubless" baths.

Can also be used whenever there's a suspicion of soreness.



Quick-action counter and window displays for Baby Lotion bring more and more new users — more and more repeat customers.



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CAMODINE OINTMENT

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PATA

Antiphlogistine
TRADE MARK

THE DENVER CHEMICAL MFG. CO.
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**THE HOME
DIVISION**

**THE VETERINARY
DEPARTMENT**

As from Monday
DECEMBER 22
all inquiries and
communications for
**THE OVERSEAS
DIVISION**

**THE BULK CHEMICAL
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183-193, EUSTON ROAD,
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Telephone: EUSton 4477

The Trade Counter will remain at
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BURROUGHS WELLCOME & CO., LONDON

(The Wellcome Foundation Ltd.)

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VALDA PASTILLES

PACKED IN ENGLAND

NOW IN BETTER SUPPLY

OBTAINED DIRECT OR THROUGH YOUR WHOLESALE

ALL ENQUIRIES DEALT WITH IN STRICT
ROTATION, BUT EVERYTHING POSSIBLE WILL
BE DONE TO ENSURE SPEEDY DESPATCH

WILCOX, JOZEAU & CO. LTD.

74/77 WHITE LION STREET, LONDON, N.1

19 TEMPLE BAR, DUBLIN

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For RETAILER—WHOLESALE—MANUFACTURER

Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "CHEMICUS, ESTRAND LONDON."

Telephone: CENTRAL 6565 (10 lines)

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NEWS OF THE WEEK

Pilot Census of Distribution.—The Board of Trade states that preparations are well advanced for carrying out a pilot census of distribution in selected areas of Great Britain early in 1948 (see *C. & D.*, 16.II.781). Information centres to provide guidance on the filling-in of census forms are to be set up in the principal towns affected.

Christmas Sweets Ration.—During ration period No. 6, which began on December 7, D sweet coupons are worth four points each and E coupons one point each, equivalent to a total ration of 20 oz. during the period. If supplies are not sufficient to meet the extra ration, coupons issued in period No. 6, but not used, will be valid in period No. 7.

Soap Coupons for Babies.—The Minister of Food (Mr. John Strachey) announced on December 8 that children up to the age of two would become entitled, at a date to be announced, to eight rations of soap in each four-week period. Children between the ages of two and five will continue to receive four rations, and all persons over five, three rations.

Industrial Injuries Council.—The Minister of National Insurance (Mr. James Griffiths) announced on December 2 the appointment, under the National Insurance (Industrial Injuries) Act, 1946, of a National Injuries Council. The Council consists of Sir Wilfrid Garrett (chairman) and fifteen members representing employers and insured persons, and its function is to advise the Minister before regulations under the Act are made.

Doctors' N.H.S. Negotiations.—The Minister of Health and the Secretary of State for Scotland concluded their discussions on the National Health Service with the negotiating committee of the medical profession (see *C. & D.*, December 6, p. 675) on December 3. The Ministers have undertaken to give considered answers to the points raised by the committee and a statement of the committee's points and the Ministers' answers will then be made available to all members of the medical profession.

Customs and Excise Report.—The twenty-eighth Report of the Commissioners of H.M. Customs and Excise for the year

ended March 31 (H.M. Stationery Office, price 3s.), provides, in an appendix, tables showing receipts of revenue and other statistical information concerning purchase tax, key industry duty, excise duties, etc. The alterations in rates of purchase tax on various classes of goods up to March 31 are given, but subsequent changes and the increase in rates resulting from the recent supplementary budget deprive the information of some of its potential value.

Cold Research Developments.—In appealing for more volunteers to take part in research on the common cold at Harvard Hospital, Salisbury (see *C. & D.*, January 18, pp. 78 and 79), the Ministry of Health has given further information on the results of the work already undertaken (see also interim report, *C. & D.*, May 31, p. 609). The size of the common cold virus, estimated by filters, has been found to be approximately $1/10,000$ mm., i.e., about equal to that of the influenza virus. The virus can withstand freezing at -70°C . Since the beginning of the research work some 500 men and women have volunteered as experimentation subjects.

LOCAL NEWS

Huddersfield Jubilee Celebrations.—The silver jubilee of the incorporation of Thornton & Ross, Ltd., manufacturing chemists, Huddersfield, was celebrated recently at a dance attended by nearly 300 employees and friends. Among the speakers were Messrs. Nathan Thornton and Phillip E. Ross, to whom cigarette cases were presented, as mementoes of the jubilee, by Mr. Allen W. Haigh (the company's senior representative). Mr. J. H. Tranmer conveyed the greetings of Huddersfield chemists.

Dewsbury Branch Inaugurated.—The inaugural meeting of the Dewsbury Branch of the Pharmaceutical Society took place on December 4. Greetings from the Society's Council and from the Leeds Branch were conveyed by Mr. T. Heseltine, who explained the rules for the conduct of branches. The following officers were then elected:—*President*, Mr. H. Moorhouse; *Vice-president*, Mr. L. W. Bird; *Secretary*, Mr. F. Kilburn, 4 Staincliffe Road, Dewsbury, Yorks; *Treasurer*, Mr. E. J. Williams; *Committee*, Mrs. P. E. Noble, Miss B. Brooke, and Messrs. H. B. Cartwright, M. M. Hepworth and B. Pollard. Later Mr. Heseltine answered members' questions on a number of pharmaceutical topics.

West Sussex Streptomycin Lecture.

At a meeting of the West Sussex Branch of the Pharmaceutical Society recently Dr. W. A. R. Thomson (medical department, Boots, Ltd.) gave a lecture on streptomycin. After dealing with method of manufacture, Dr. Thomson discussed its pharmacological and therapeutic properties. He emphasised the ease with which organisms became streptomycin-resistant and the need for adequate dosage in the initial stages of treatment. Streptomycin appeared to be of little direct value in the treatment of chronic tuberculous infection of the lungs, he said, but there was evidence to suggest that it might be of some value, if given sufficiently early, in the treatment of acute miliary tuberculosis and tuberculous meningitis.

Aberdare Film Show.—Despite bad weather there was a good attendance, including members of the medical profession at a meeting of the Aberdare and Merthyr Branch of the Pharmaceutical Society held in Aberdare on December 3. The film "Take Thou" (Evans Medical Supplies Ltd.) was shown, and Mr. L. V. Allen (Messrs. Evans) gave an address on "Ointment Bases and Emulsifying Agents." Mr. H. Parry, Nelson, was in the chair, and the film projector was loaned and operated by Mr. R. C. Jones, M.P.S. A report was presented on the steps which had been taken by the Branch to enable Mr. H. Noel Thomas to be recommended for co-option to fill the vacancy on the Council of the Pharmaceutical Society.

Cornish Tax Protest.—A meeting of the Cornish Branch of the National Pharmaceutical Union held at Truro on November 30 was attended by members from all parts of Cornwall. Mr. J. F. McNeal (member of the N.P.U. Executive and of the Council of the Pharmaceutical Society) spoke on "Organisations in Pharmacy and the Health Service." He sketched the progress of the negotiations on the National Health Service and explained the purposes of the pharmacy working party. Member afterwards took part in a discussion on such topics as health-centre dispensing, delay in payments of National Health Insurance accounts, and petrol coupons for attending meetings. A resolution was passed protesting against the recent increase of purchase tax on drugs.

Pharmacy Yesterday and Today.—Speaking at a meeting of the Southend Branch of the Pharmaceutical Society on November 20, Mr. B. J. Thomas (Allen &

mburys, Ltd.) described a typical prescription book of 1830 with its prescriptions of pills, lotions, mixtures, plasters, etc., with instructions to the patients in full pharmaceutical latin. "T.d.s.", "p.r.n." and the more modern English directions did not occur. Searching through prescription books used towards the end of the nineteenth century for prescriptions for proprietaries, he had found only one: a doctor had ordered a proprietary brand of cod-liver oil and malt. Today ethical proprietaries, and some not quite so ethical, are prescribed to a considerable extent. It was impossible for the practising pharmacist to prepare and standardise complex chemicals, but there was still much of the compounding to be done, and the pharmacist had great scope in handling new chemical bases, dispensing penicillin preparations and making a wide variety of injection solutions. The majority of pharmacists, suggested Mr. Thomas, should have a Therapeutic Substances Act licence for making injection solutions. This would involve the purchase of new equipment, setting up of an aseptic area, and ploughing back some profits into a business. The pharmacist who purchased a screen, an autoclave, hot-air oven, steamer and refrigerator, was well equipped. In the course of the talk the speaker exhibited and described a prescription book dated 1830, a range of creams and ointment bases, and a collection of equipment used in aseptic dispensing.

Mr. Mallinson in Leeds. — Addressing the Leeds branch of the National Pharmaceutical Union recently, Mr. G. A. Mallinson (general secretary, N.P.U.) said the N.P.U. had fought hard on the Joint Committee on a National Pharmaceutical Service but had had to "pull out" when the N.P.U. representatives had become convinced that the other members had adopted a policy favouring a full-time pharmacy service under the recent health Act. "We asked the Joint Committee," said Mr. Mallinson, "to adopt a resolution advising local authorities not to attach dispensaries to health centres at the outset of the new service because of the shortage of manpower in the craft. The Joint Committee turned this down." Discussions on remuneration were at a temporary standstill while a working party set up by the Ministry of Health was investigating any differences in dispensing practice between Scotland and England and Wales. He hoped to be able to show the Ministry that

there was no difference in dispensing practice in the two areas. The working party had to cover some 300 pharmacies, and it would take them until the beginning of February. He hoped any chemist whose permission was sought for the working party to call would give every help. The two visiting members of the party were pharmacists. In reply to questions, Mr. Mallinson said the critical time for chemists would come sixty or seventy days after the new service started. Arrangements would have to be made for day, evening and night service. Normal rates could be paid for day service, double for 6-9 p.m., and quadruple rates for night work. If pharmacists wanted to take part they would have to provide the service the public expected.

IRISH NEWS

Northern Ireland Licences.—The Pharmaceutical Society of Northern Ireland has issued a reminder to proprietors of pharmacies in Northern Ireland that their licences expire on December 31. Renewal fees are payable to the Society at 73 University Street, Belfast.

N.I. Arbitration Award.—The National Arbitration Tribunal (Northern Ireland) has published its award in a dispute, referred to it by the Ministry of Labour on August 18, between Miss G. Crawford, a member of the Associates' Section of the Ulster Chemists' Association, who was employed as a pharmacist at the Belfast Municipal Sanatorium, Whiteabbey, and the Belfast Corporation. Miss Crawford claimed that the appropriate scale of salary referred to in the Memorandum of Salaries of Pharmacists in Northern Ireland hospitals, issued by the Ministry of Health and Local Government, should be applied as from April 1, 1946, with a further amount of £50 as granted to pharmacists in England and Wales and applied to certain hospitals in Northern Ireland, and that other conditions of employment detailed in the Memorandum should be applied. The Tribunal awarded that, as from June 25, 1947, Miss Crawford's salary should be in accordance with the Memorandum, with "favourable consideration" of April 1, 1947, as the commencing date. A somewhat similar award was made in a dispute between Miss Crawford and the Northern Ireland Tuberculosis Authority (which has taken over the sanatorium) with four weeks' holiday at full pay each year. Claims for further increases of £50 were held not to have been established.

COMPANY NEWS

MEDICO-THERAPEUTICS, LTD. (P.C.).—Capital £500. To carry on the business of manufacturing, distributing and installing surgical instruments, medical appliances, etc. Bertram C. Chambers, Rosa E. Chambers, Emil A. Andrae and Minnie J. I. Andrae, directors. R.O.: 52-54 High Holborn, London, W.C.1.

P.S.S. (HOLDINGS), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers, importers and exporters of and wholesale and retail dealers in saccharine, flavouring essences, chemicals, chemical and pharmaceutical products, cosmetics, etc. William J. S. Peschardt and Joseph Segall, directors. R.O.: Empire Works, Desborough Road, High Wycombe.

TOLHURST & NEILD, LTD. (P.C.).—Capital £5,000. To acquire the business of thermometer manufacturers now carried on by Bertram Edward and Ernest A. Underhill as "Tolhurst and Neild." Bertram Edward Underhill, Horace A. Underhill and Ernest A. Underhill, directors. R.O.: 390 College Road, Erdington, Birmingham.

MORRIS & GRUNDY, LTD. (P.C.).—Capital £250. To acquire the business of proprietors for formulas and methods for preparations for permanently waving hair (some of such preparations being known as "Perfectus Method") now carried on by W. Morris at Holywell, Flints, and elsewhere. William Morris and Francis W. Grundy, directors. R.O.: 71 Crosby Road North, Liverpool, 22.

THORNTON & ROSS, LTD.—Mr. Arthur Hirst has been appointed a director and is also secretary of the company.

THE BRITISH DRUG HOUSES, LTD.—Mr. G. F. Williams has been appointed managing director of the company in succession to Mr. F. C. Oscar Shaw.

EVANS MEDICAL SUPPLIES, LTD.—Mr. H. Ashley Mason, B.A., has been appointed overseas trade director, and Mr. W. A. Kinnear, M.A., home sales director.

H. H. HUFFER & B. A. SMITH, LTD.—The directors of B. A. Smith & Co., Ltd., Baunstead, Surrey, announce that the Board of Trade has granted permission for the amalgamation of their business with that of H. H. Huffer & Co., Ltd., Thornton Heath, Surrey. The direction of the new company will be in the hands of the present directors of the two companies. R.O.: 515 London Road, Thornton Heath, Surrey.

A. BOAKE, ROBERTS & Co., LTD.—Consent of the Treasury has now been obtained to the issue of 150,000 new preference shares of £1 each at 25s. per share and of 150,000 new ordinary shares of 5s. each at 31s. 6d. per share. Preference shareholders registered on November 26 are given the

right to subscribe for three new preference shares for every two shares held and ordinary shareholders registered on the same date for three new ordinary shares of 5s. each for every four shares of £1 each held. Application is to be made to the Stock Exchange, London, for quotations for the new shares.

CZECHOSLOVAK CHEMICAL WORKS (LONDON), LTD.—This company, which was incorporated recently (see *C. & D.*, October 25, p. 496), the official agency of the nationalised chemical industries of Prague is to foster mutual trade in chemical chemical raw materials and chemical plants between Great Britain and Czechoslovakia. The directors are as follows: Dr. I. Martinek (Director-General of the Czechoslovak Chemical Works, National Corporation, Prague), chairman; Dr. George Lewin, acting chairman; Captain C. F. Wai Jones; Mr. David Finnie, Mr. E. Patin, Dr. M. Marko; Mr. B. Dostal, managing director. R.O.: 35 Pont Street, London, S.W.1.

BUSINESS CHANGES

PHARMAX, LTD., have transferred the offices to their factory premises at The Organ Works, Old Hill, Chislehurst, Kent (Telephone: Imperial 1287).

THE UNIVERSAL BRUSH CO., LTD. Luton, has appointed Mr. Norman Jardine as its sales manager. He was formerly the company's representative in the West End of London.

THE PURCHASING OFFICERS' ASSOCIATION is removing on December 20 to 17 Henrietta Street, London, W.C.2. The Association's telephone number (Temple Bar 3011) remains unchanged.

MR. H. W. BEALE, M.P.S., has disposed of his business at 3 High Street, South Norwood, London, S.E.25, to Mr. G. Watt, M.P.S., and of his business at 1 Portland Road, South Norwood, to Mr. L. A. Marshall, M.P.S.

MAJOR H. B. T. GIBSON, M.P.S., has acquired the pharmacy at 5 Hayes Bridge Parade, Hayes, Middlesex, formerly carried on by Gaylards (Chemists), Ltd. Major Gibson was recently released from the Royal Army Ordnance Corps.

ABBOTT LABORATORIES (ENGLAND), LTD. have appointed the following new representatives: Mr. H. Beldon, M.P.S. (London, W.1. and London hospitals); Mr. J. Duncan, M.P.S. (London, N.W. and W.). Mr. B. Lacey-Johnson, M.P.S. (Gloucestershire, Oxfordshire, Berkshire and Buckinghamshire); Mr. S. Miller, M.P.S.N. (Northern Ireland); Mr. H. Thomas, M.P.S. (London, S.E., Kent and East Sussex); and Mr. G. Ward-Booth, M.P.S. (Eastern Counties).

TOPICAL REFLECTIONS

Notable Anniversary

Many congratulations are no doubt being sent to Messrs. Howards & Sons, Ltd., on reaching their 150th anniversary. Your excellent history of this typically British manufacturing house (pp. 693-95) gives the pertinent facts. The indebtedness of science directors of such houses and to members of their staffs is often under-estimated. During the middle years of the past century John Eliot Howard issued a scholarly two volume describing varieties of cinchona, with illustrations; members of the fourth generation of the family have added substantially to contemporary chemistry and pharmacy, as the Year-Books of Pharmacy testify. Messrs. Howards' intimate knowledge of the history of drugs and chemicals was evidenced at the time of the Cinchona Tercentenary Celebration (*J. Pharm. & Med.*, 1930.II.769), when they sent you an account of the manufacture of quinine sulphate by Alexander Low, a Jersey medical practitioner, in or about 1820, the year Pelletier and Caventou's discovery of the alkaloid. In recent years the Science Section of the British Pharmaceutical Conference has been increasingly dependent on research carried out in the laboratories of manufacturing houses: monographs of this type now outnumber all others, I believe. And many of the keen young people who take part in the discussions in this Section are qualified workers in these laboratories. It does not seem now that pharmacy will never again see a Farr-Wright combination of talent; but such a combination will, in the ordinary course of events become increasingly rare.

Useful Discussion

At the meeting of the Thames Valley Branch of the Pharmaceutical Society reported on p. 696 several pointed questions were put by members, and answers by the cancellors present (Mr. W. S. Howells and Mr. F. C. Wilson) helped to elucidate some problems. Meetings like this, where rulers and ruled are confronted, are useful. The questions asked at the meeting referred to were for the most part concerned with National Health Insurance dispensing, soon to be merged in the new service. The present terms and conditions of contracts leave much to be desired. It may give many of your readers a shock to learn that one Insurance Committee is far behind with its payments to panel chemists; surely a system of instalments on account would be improvised to meet so unsatisfactory

a situation. Another disclosure, that of the 8s.-an-hour hairdresser's service, provokes hard thinking. Is hairdressing of so much value to the community in comparison with dispensing? The view of a Government official that chemists are as much entitled to leisure as anyone else is satisfactory so far as it goes; opinions, however, will not create better working conditions. A subject of wider interest than these was introduced by a questioner who asked for a statement of the relative merits of "private" pharmacists and limited companies as trainers of apprentices. Both the councillors present preferred apprenticeship to be served in a personally owned business. I agree, though I think we must accept the probability that the technique of selling is more systematically taught in companies' shops. In the technique of buying, however, the advantage in training normally lies with the single proprietor.

Ne Sutor

The cobbler, as a well-known Latin proverb informs us, should not venture above his last. This homely maxim may be commended to the attention of the fair ladies of Warwickshire who have passed a resolution (p. 676) urging the Government to ensure that "dangerous drugs," when dispensed, shall be enclosed in a distinctively coloured wrapper with a notice enjoining the finder to hand the package to the police or to a chemist. Announcement by radio of losses of poisons have become an almost daily joke. In one household of my acquaintance the words "Here is a police message" are followed, before the announcer continues, by the sarcastic comment "Dangerous drugs" from someone listening. On a rough estimate, more than 90 per cent. of the poisons lost for the kind attention of the B.B.C. are hypnotics, and most of these hypnotics are tablets of phenobarbitone. What substances have the Warwickshire dames in mind when they talk about "dangerous drugs"? If the definition includes, for instance, pint bottles of carbolic lotion, the provision of coloured wrappers will add materially to the cost of dispensing. Perhaps these reformers are prepared to draw up a schedule for the purpose of the proposed regulations. The feminine instinct for colour is so highly developed that wrappers distinctive in this respect could be designed without difficulty. Whether they would be acceptable is another question.

Xrayser

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

In the House of Commons on December 1, MAJOR VERNON asked the Minister of Supply if he was aware that the A.S.P. Chemical Co., Gerrards Cross, claimed to be preparing radioactive isotopes from materials of common occurrence in this country, and whether the Minister could give an assurance that the firm was working under his direction and within the framework of the Atomic Energy Act. MR. G. R. STRAUSS replied that the claims had been brought to his notice. The company was not working under his direction, but he was not aware that it was infringing any provision of the Atomic Energy Act.

Budget Information

On December 2 MR. E. P. SMITH asked the Chancellor of the Exchequer why Paper C 22035, giving the Budget increases in purchase tax, had been circulated and delivered to business offices before the speech of the Chancellor of the Exchequer on Budget day.

SIR STAFFORD CRIPPS: The leaflet referred to was not even printed until after the Budget speech, but, as is usual on these occasions, a notice was issued giving the precise information which traders concerned need to have at the earliest possible moment to enable them, where necessary, to adjust their selling prices. Great care is taken in timing the distribution of these notices to ensure that they are delivered on, but not before, the morning after the Budget statement. I have no reason to think that the safeguards against leakage are inadequate.

Production Drive Measures

The President of the Board of Trade was asked by MR. ALFRED EDWARDS what special steps had been taken in his Department comparable with the production drives in the country to speed up essential work; and what steps were being taken to eliminate non-essential labour. MR. J. W. BELCHER (Parliamentary Secretary) replied that there was continuous effort in the Board of Trade to simplify and speed up essential work and eliminate unnecessary processes. A special examination was being made, in consultation with the principal trade organisations interested in export, of the forms required for export to overseas destinations generally. Mechanisation of routine operations was being developed as fast as equipment became available, and

there was a continuous transfer of staff from less to more essential work. MR. EDWARDS also asked what steps had recently been taken to speed up the turn-round of applications of various kinds, and MR. BELCHER replied that applications were answered as speedily as the scarcity of typing staff and other circumstances allowed.

Profits Tax

During discussion of the Finance Bill in Committee on December 2, MR. DAVIN ECCLES moved an amendment to leave the rate on undistributed profits at 1s. in the £. The test that should be applied, he said, was whether the proposal to double the tax would help or hinder production. It was obvious that politics and production were pulling in opposite directions today. I never had been and never would be possible to wage war on profits and at the same time get the maximum output from industry left in private hands. Undistributed profits were the main fund out of which repairs and renewals and extensions were made, and out of which new scientific processes and inventions were brought to the stage of being a service to mankind. The profits that would be taken away by the tax would have been retained for beneficial use by the business concerned. MR. GLENVIL HALL (Financial Secretary) replied that much of the money was spent in "anti-social" directions—to improve offices, extend buildings and launch out in directions that should wait for another day. The money would fructify in the pockets of the Treasury to a much greater extent than if it were left in the coffers of the companies. The amendment was defeated.

New duties were announced for the Paymaster-General (Mr. Hilary Marquand) by SIR STAFFORD CRIPPS when he moved the second reading of a Bill to appoint a new Economic Secretary to the Treasury (since filled). Sir Stafford said Mr. Marquand would undertake special duties as Britain's travelling salesman overseas. He would shortly be going to South America and later to British Colonies and Africa.

Advertisement Tax Withdrawn

The tax on advertisements was withdrawn by SIR STAFFORD CRIPPS on December 3, when he told the House that it would be replaced by a voluntary effort to reduce advertising, in which the Federation of British Industries would give a lead. He had

ceived, he said, a letter from the Federation which gave an undertaking that, if the provisions in the Bill were withdrawn, the Federation would take the lead in setting up a Working Committee to work out methods of achieving the results he wished by voluntary means, as soon as practicable. In these circumstances, I am quite prepared to try that voluntary method and to withdraw this Clause, and I hope very much that there will be success in these efforts that are being made. We shall have another opportunity of considering this matter in April next to see what progress we have been able to make."

Injection Treatments

On December 4, Mr. G. HOUSE asked the Minister of Health whether his attention had been directed to evidence given in an inquest at St. Pancras that a patient had died within three minutes of being given an injection of congo red dye by a medical practitioner; and whether he would take steps to stop the practice of injecting drugs.

MR. ANEURIN BEVAN: Yes, I have heard of this unhappy case. Accidents due to this cause are extremely rare. The injection of drugs has for years been an essential part of modern therapy and I am advised that there is no reason to think that discontinuance would be anything but a disadvantage, in the public interest. Nor is it my proper province to prevent doctors from using their free clinical judgment to the best of their professional ability.

Foreign Pharmacists in Britain

The Medical Practitioners and Pharmacists Bill reached its second reading on December 5, having already passed the House of Lords. It was introduced by Mr. ANEURIN BEVAN (Minister of Health). During the debate Mr. H. N. LINSTED welcomed the Bill because it opened a door, which many of them wished to see opened, to the wider recognition of professional qualifications across national boundaries. It was part of a general international and European settlement in which it was appropriate that this country should take a significant lead. "The House may be aware that I have been particularly associated with the pharmaceutical side of the negotiations which have resulted in this Bill, and I can say from my personal experience that the Polish pharmacists who have been trained and examined in this country, in anticipation of the Bill, have been found to be men of exceptionally high

professional standing, whom we are very glad indeed to have as recruits to our manpower." If he had any reservation about the Bill it was about the date, which he thought had perhaps given a little concern to the Minister. There would be hard cases of men who were on the wrong side of the guillotine when it came down on August 4, "and I think it is a pity that it has not been found possible for the medical profession to do what the pharmaceutical profession have done in this matter." The pharmacists had said they were not going to hedge the registration round with provisos and restrictions but would take a broad general power to bring on to the pharmaceutical register any foreign pharmacists who could satisfy them that their characters, personal standing and professional skill and knowledge were of the right quality. "If necessary that will be done by examination, although in many cases there will be no examination." Mr. F. W. SKINNARD paid tribute to the Pharmaceutical Society's help with the Bill, which was given a second reading.

A PHARMACIST'S ANTHOLOGY

THE voice was her mother's. That vigorous woman . . . carried a bottle and an egg-cup, and a small quantity of jam in a tablespoon . . .

"What is it, mother?" asked Sophia, who well knew what it was.

"Castor-oil, my dear," said Mrs. Baines.

The ludicrousness of attempting to cure obstinacy and yearnings for a freer life by means of castor-oil is perhaps less real than apparent. The strange interdependence of spirit and body, though only understood intelligently in these intelligent days, was guessed at by sensible medieval mothers. And certainly, at the period when Mrs. Baines represented modernity, castor-oil was still the remedy of remedies. It had supplanted cupping. And, if part of its vogue was due to its extreme unpleasantness, it had at least proved its qualities in many a contest with disease. Less than two years previously old Dr. Harrop . . . being then aged eighty-six, had fallen from top to bottom of his staircase. He had scrambled up, taken a dose of castor-oil at once, and on the morrow was as well as if he had never seen a staircase. This episode was town property and had sunk deep into all hearts.

From "The Old Wives' Tale," by Arnold Bennett.

BIRTHS

WHITTET.—On December 3, Doreen, the wife of Thomas Douglas Whittet, Ph.C. (chief pharmacist, University College Hospital, London, W.C.1), of a son.

WILSON.—At 11 Randolph Crescent, Edinburgh, on December 1, May, the wife of John McGregor Wilson, M.P.S., 18 High Street, Crail, Fife, of a daughter.

MARRIAGE

MILTON-HALE.—At Bath, on November 27, Captain W. W. Milton, Normandy, nr. Guildford, to Audrey Gertrude Hale, M.P.S., daughter of Mr. Arthur Hedley Hale, M.P.S., 8 Argyle Street, Bath.

DEATHS

BARCLAY.—On November 16, Mr. James Gordon Barclay, M.P.S., 41 Frith Street, Soho, London, W.1. Mr. Barclay qualified in 1907.

FORSTER.—On November 14, Mr. Cyril George Forster, M.P.S., 66 East Street, Barking, Essex, formerly of 12 Runwell Terrace, Southend-on-Sea. Mr. Forster qualified in 1926.

GOW.—At 1 Bedford Road, Harrow, on November 16, Mr. Adam Gow, M.P.S., aged seventy-three. Mr. Gow, who qualified in 1897, was for many years manager of the dispensing department of John Bell & Croyden, 50 Wigmore Street, London, W.1; for the past ten years he had acted in an advisory capacity.

GRANT.—At 208 Stockport Road, Timperley, Ches, on December 3, Mr. William Clelland Doherty Grant, eldest son of Mr. George B. Grant, M.P.S., 50 Barassie Street, Troon.

GRAY.—On November 10, Mrs. Robina Smith Gray, wife of Mr. Alexander McKiligan Gray, M.P.S., 18 Kilmour Drive, Bankhead, Rutherglen.

GURNELL.—At Croydon, Surrey, on October 17, Mrs. Mary Gurnell, widow of the late Mr. William Gurnell, chemist and druggist, and mother of Mr. William Gurnell, M.P.S., Seal House, Ashurstwood, East Grinstead, aged ninety-eight.

HARRISON.—On November 21, Mr. Clement Harrison, M.P.S., 49 Hainault Road, Leytonstone, London, E.11, aged seventy-one.

MAXWELL.—At Markfield Sanatorium, on December 1, Mr. Frank Maxwell,

M.P.S., 48 Langdale Road, Hinckley, Leics, a founder director of Pectoral Proprietories Ltd., manufacturing chemists, Hinckley, aged thirty-two. Mr. Maxwell first went to Hinckley as manager for Knight & Croft (Francis Hallam, Ltd.), chemists, Rugby Road. During the 1939-45 war he served in the Royal Air Force and upon his discharge was appointed general manager for Karen Chemicals, Ltd., Hinckley, with whom he served for a time before founding the business of which he was a director.

PERKINS.—At his home, 149 Castle Road, Bedford, on December 2, Mr. Frank Perkins, M.P.S., aged eighty-one. Mr. Perkins who was within three weeks of celebrating his eighty-second birthday, was a school friend of the late Mr. Arnold Bennett, native of Burslem in the Potteries, the scene of many of Arnold Bennett's novels. Mr. Perkins had experience in Harrogate and Southport before going to Bedford in 1905 as manager for Boots, Ltd., Silver Street. He was for a time secretary of the Bedfordshire Branch of the Pharmaceutical Society. Mr. Perkins retired in 1926.

TURNER.—At 63 High Street, Biggleswade, on December 1, Mr. George Turner, M.P.S., aged eighty. Mr. Turner was born and educated at Longton, Staffs, where his father was in business as a chemist and druggist. He had started his training in medicine when the death of Mr. Turner, sen., recalled him to the family business. In 1898, after qualifying as a chemist and druggist, he took over the old established business at Biggleswade which at the time of his death, he had owned and personally conducted for just under fifty years. George Turner was a pharmacist of the old school, well known and regarded with affectionate respect in his neighbourhood. He was an early member of the Chemists' Defence Association and Proprietary Articles Trade Association, and had acted as local secretary for the P.A.T.A. for more than forty years. Mr. Turner was president of the local branch of the Conservative Association and of the Conservative Club. Outside business his chief preoccupation was Freemasonry. He had been for many years secretary of St. Andrew's Lodge (No. 803) of which he was a Past-Master, and he was also an officer of Grand Lodge rank. At the funeral service at Biggleswade Parish Church, on December 5, there was a large attendance of members of St. Andrew's and other Bedfordshire Lodges, and of business colleagues of Biggleswade and district.

PERSONALITIES

Mr. J. RUCK KEENE has been appointed general secretary of the Chemical Society.

SIR ROBERT ROBINSON has been re-elected president of the Royal Society.

Mr. GEORGE FREDERICK WILLIAMS, A. (Cantab.), who has been appointed managing director of The British Drug Houses, Ltd. (see p. 710), joined the company in 1935, and with it has held the posts of marketing manager, distribution manager and distribution director. In 1946 Mr. Williams visited Germany as a member of a B.I.O.S. team appointed to investigate the



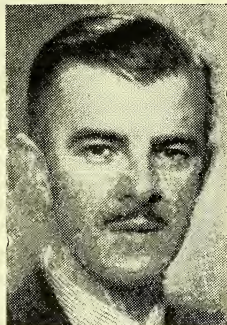
commercial organisation of German industry. He has spent some years of his career in India and has travelled, on business trips, to the U.S.A., Canada, and a number of European countries. Mr. Williams represented the B.D.H. in trade discussions and negotiations in the pharmaceutical and fine chemical industry.

Mr. B. J. THOMAS, M.P.S., who gave a lecture to the Southend Branch of the Pharmaceutical Society on November 20 (see p. 708), is manager of Allen & Hanburys, Ltd., 7 Vere Street, London, W.1 (a business which was described in the *C. & D.*, July 15, p. 19). Mr. Thomas was appointed to his present post in 1945, after being with the company since 1938. Following an apprenticeship in Neath, Glam., he studied at the Welsh College of Pharmacy, Cardiff; qualified in 1937, and was awarded medals in pharmaceuticals and pharmacognosy. He took the Society's Diploma in Chemical Analysis in 1944. Anticipating the release of penicillin to the public in 1946, he had constructed a sterile area



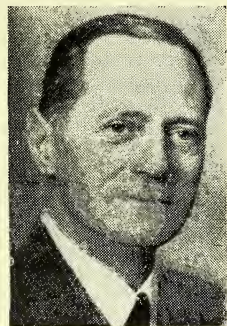
in the pharmacy which subsequently became licensed under the Therapeutic Substances Act for the dispensing of penicillin injections. At the symposium session on penicillin held at the British Pharmaceutical Conference in London in 1946 he read a paper on problems of the retail dispensing of penicillin. His wife was formerly Miss Joyce Allen, M.P.S., Hull, Yorks.

Mr. E. R. C. EDYVEAN, B.Pharm., Ph.C., has been appointed joint managing director with Mr. A. W. Edwards, M.P.S., of British Schering, Ltd., and associated companies, in view of Mr. Edwards' prospective retirement within a year or two. Mr. Edyvean has served for sixteen years on the technical and administrative staff of The British Drug Houses, Ltd. Mr. EDWARDS was appointed managing director of Schering, Ltd., on its inception in 1925, and has continued in that capacity with British Schering, Ltd., since 1941. He has also been a director of two subsidiary companies since they were established in 1941.



Mr. E. R. C. Edyvean

Mr. A. ROBERTSON, M.P.S., 10 Windmill Road, Hamilton, addressed the Motherwell Rotary Club recently on his work as a pharmacist.



Mr. A. W. Edwards

Mr. E. POWELL, M.P.S., The Pharmacy, Main Street, Sedburgh, Yorks, in a letter published in the "Manchester Guardian" recently, pointed out that though the monthly ration coupon used for baby foods had only four squares, the number of tins that could be supplied was not restricted provided it was reasonable. Any pharmacist could judge what was a reasonable number,

LEGAL REPORTS

Almond Substitute.—At Wolverhampton, recently, Richard Probert pleaded not guilty to a charge of supplying almond substitute not of the nature, substance and quality demanded by the purchaser. It was stated that a sampling officer was served with 1 lb. almond substitute which was found to contain only 1.8 per cent. of oil. The invoice was marked "not for counter trade." The summons was dismissed on payment of costs.

Pharmacy Act Infringement.—At Market Rasen, Lincs, magistrates' court on December 8, Payne & Starbuck, Ltd., Queen Street, Market Rasen, were fined £5 and costs on a charge of describing themselves as chemists when they were not employing a resident pharmacist, which they admitted. A second charge of selling poison by retail without being an authorised seller of poisons was also admitted, but the court decided that there were extenuating circumstances and dismissed the case under the Probation of Offenders' Act.

Notice of an Annual Meeting.—A dispute between the British Association of Chemists and its honorary secretary (Mr. James Stewart Cook) and treasurer (Mr. William Charles Peck) came before the Chancery division, London, on December 5. Messrs. Cook and Peck asked the court to restrain the Association from holding its annual meeting on the following day (December 6). Their counsel contended that the requisite fourteen days' notice had not been given, and they complained that, with the notice, the president had circulated a letter which was damaging to them, calling upon members of the Association, which was a registered trade union, not to vote for their re-election. The plaintiffs had had no chance of circularising members in answer. Both were members of the Council. For the Association, it was stated that there had been insufficient time to prepare affidavits in reply to those of Messrs. Cook and Peck. Notice of the meeting had been given fourteen days before the announced date, but the agenda had not been circularised until a week later, because the printers could not produce it in time. The judge suggested that the meeting should be held on December 6, and then adjourned, and an undertaking was given that the Association would not proceed with the election of officers on that date. On that undertaking the judge said he would stand the motion over generally, with liberty to restore.

C. & D. DISPENSING PRICE LIST

The following price alterations which took place during November should be noted.

Cost		<i>Due allowance has been made for purchase tax at new rate in both cost and dispensing prices</i>	Dispensing price		
<i>d.</i>	<i>per</i>		4 oz.	1 oz.	1 dr.
			s. d.	s. d.	s. d.
72	lb.	Acet. cantharidini			
		S.I. (5)	2 8	0 9	0 1
564	pt.	Alcohol 90% (duty paid) ..	—	5 8	0 10
591	pt.	Alcohol 95% (duty paid) ..	—	6 0	0 11
57	oz.	Alcohol dehydratum ..	—	8 4	1 3
192	lb.	Anthemidis flores exot.	6 10	2 0	0 3
42	oz.	Aqua anethi conc.	—	6 4	0 11
45	oz.	Aqua anisi conc.	—	6 9	1 0
144	oz.	Aqua aurantii flor. conc.	—	21 0	3 4
48	oz.	Aqua cari conc. . .	—	7 0	1 0
45	oz.	Aqua cinnamomi conc.	—	6 9	1 0
39	oz.	Aqua fœniculi conc.	—	5 9	0 10
44	oz.	Aqua menth. pip. conc.	—	6 7	1 0
45	oz.	Aqua pimentæ conc.	—	6 9	1 0
209	oz.	Aqua rosæ conc. . .	—	—	4 10
115	oz.	Aqua sambuci conc.	—	—	3 0
54	lb.	Catechu pulvis ..	2 0	0 6½	0 1
68	lb.	Confectio sulphuris	2 6	0 9	0 1
42	lb.	Creta c. camph. 10%	1 6	0 5	—
21	oz.	Ext. damianæ liq.	—	3 1	0 5
149	lb.	Liq. ferri iodid. . .	7 8	2 2	0 4
13	oz.	Ol. anisi	—	1 11	0 3
48	oz.	Ol. bergamot. . .	—	7 6	1 0
30	oz.	Ol. copaibæ	—	4 5	0 8
27	lb.	Ol. morrhuae 16 fl. oz. 3-2	0 11	0 3	—
36	oz.	Ol. pini pumilionis	—	5 3	0 9
87	oz.	Spt. cinnamomi ..	—	12 7	2 0
81	oz.	Spt. lavandulæ ..	—	11 9	1 11
60	oz.	Spt. menth. pip. . .	—	8 9	1 5
57	oz.	Spt. rosmarini ..	—	8 4	1 4
160	oz.	Theophyllina ..	—	—	3 9
68	lb.	Tr. stramonii P.I. (9)	2 7	0 9	0 1
15	oz.	Tr. tolutanæ ..	—	2 3	0 4
96	lb.	Tr. valerianæ ammoniata ..	3 5	1 0	0 2
88	lb.	Vinum ferri ..	3 1	0 10	0 1

TRADE NOTES

Increased Prices. — Several advertisers note their announcements in this week's issue to publicity for the new prices of their products following the recent Budget increases in purchase tax rates.

Not Rationed.—Allen & Hanburys, Ltd., 10 Abchurch Lane, London, E.C. 4, point out that their malted food No. 3 is not a milk-based food and is therefore not subject to rationing.

Imported Containers. — An illustrated list of imported bottles and jars is obtainable from Marlene Products (London), 12 Fordwych Court, Shoot-up Hill, London, N.W. 2.

Supplies Available. — Adequate stocks of British-made Sulfamerazine tablets and powder are available to meet all demands either direct from Sharp & Dohme, Ltd., 100, Eddesdon, Herts, or through recognised wholesalers.

Foot-operated Filling Plant. — Foot-operated tube-filling and closing equipment made by Universal Metal Products, Ltd., 100, Glegley Road, Pendleton, Salford, Lancs, is described in an illustrated folder issued by the company.

Washable Powder Puffs.—Helena Products, New Southgate, London, N. 11, offer a variety of designs in their Helena hygienic, non-staining, individually-wrapped powder puffs. Chemists are invited to write to the company for a price list.

Slogan Stickers.—As part of a campaign on the theme "We Believe in England," National Stickers, Ltd., Kingston-on-Thames, offer "slogan stickers" for attaching to letters, packages, etc., and also in sizes 4 in. x 6 in. and 11 in. x 9½ in. The stickers incorporate the slogan with a reproduction of the Union Jack.

Price Reductions.—CIBA LABORATORIES, Ltd., Horsham, Sussex, announce reduced prices for Cibazol (sulphathiazole Ciba). PHARMACEUTICAL SPECIALITIES (MAY & CO.) LTD., announce reduced prices for Cibazol brand sulphathiazole and Cibazolamide sodium sulphathiazole. Both of these reductions came into effect on December 6.

Formula of a Medicament. — Sharp & Dohme, Ltd., point out that the dose of ascorbic acid amide present in 1 fl. oz. of their Ascorbic Tonic is 30.0 mgm. and not as given (owing to a printer's error in the company's literature) in "Guide to New Medica-

ments" (*C. & D.*, November 22, p. 635). In reprints of the "Guide" the correction has been made.

Booklet for Works Visitors. — Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have prepared, for the benefit of pharmacists and others who visit the company's establishments, a twelve-page booklet describing the background and activities of the company. A copy will be sent to any interested person on application to the publicity department of the company.

Again Available. — COATES & COOPER, LTD., Northwood, Middlesex, announce that Reed & Carnrick's preparations again available in this country include Ampacoids, Analeptine, Nephritin, Protonuclein, Entacarb, Pancrobilin, Peptenzyme, Ovaccoids, Testacoids.—WHITE LABORATORIES, LTD., Mitcham, Surrey, announce that Feen-a-mint chewing laxative is again available (in one size only).

Soap Substitute.—What is described as "something unique in the way of packing a soap substitute" has been introduced by Hough, Hoseason & Co., Ltd., Atlas Mills, Levenshulme, Manchester, 19, under the title Torpedo soap substitute. The preparation, prepared under licence from the Ministry of Food, is an odourless paste cleanser for washing hands and clothes, and for household use (pots, carpets, etc.). It is issued in 1-lb. tins and in bulk for industrial users.

T.S.A. Licences.—The following pharmacies have recently been granted licences under the Therapeutic Substances Act to dispense sterile injections of penicillin:—B. Pugh Davis, 25 High Street, Haverford West; W. Talvan Rees, 152 High Street, Cheltenham; J. T. Davis, 13 Walter Road, Swansea; Lofthouse & Saltner, Ltd., 31 Hopwood Street, Hull; Watkins & Freeman, 471 London Road, Isleworth; T. B. Patch, Ltd., 8 Butler Green, Chadderton, Lancs; Boots, Ltd., 45 St. Peter's Street, Derby; C. R. Stoffer, Newland Street, Witham, Essex.

Transparent Wrapping. — Work is proceeding on the erection of a factory at Wolverhampton for the production of Pliofilm, a preservative wrapping material manufactured by Goodyear Tyre & Rubber Co. Pliofilm is a transparent rubber hydrochloride film produced by casting over a solvent solution. There are two general types: Normal and plasticised, the normal

Pliofilm being the variety used primarily for wrapping and packaging. Normal and plasticised Pliofilm are both clear and transparent, but a wide range of transparent and opaque colours is to be made available. A booklet giving particulars is obtainable.

Display Competition Prizewinners.—Successful entrants in a window display competition organised by Goya, Ltd., 161



First prize display

New Bond Street, London, W.C.1, among chemists in Northern Ireland were:—*First*, Donaldson & Lee, Ltd., Londonderry; *Second*, Mr. C. C. Connolly, Limavady; *Third*, Mr. S. J. Smiley, Castlewellan; *Consolation*, Messrs. Samuel Pepper, Ballymena; C. Montgomery, Belfast; J. G. Graham, Belfast; and John Doris, Downpatrick; Hughes the Chemists, Lurgan; Anderson (Chemists), Ltd., Newtownards; W. J. Balmer (Belfast), Ltd., Belfast; Messrs. John McKenna, Armagh; S. E. A. Wisener, Belfast; and J. L. Stirling, Ballymena.

Christmas Holidays.—The following manufacturers announce that they will be closed for the Christmas holidays from Wednesday afternoon, December 24, until Monday morning, December 29:—ANGLO-FRENCH DRUG CO., LTD., 11 Guilford Street, London, W.C.1 (emergency supplies from John Bell & Croyden, 50 Wigmore Street, London, W.1, and Roberts & Co., New Bond Street, London, W.1); BAYER PRODUCTS, LTD., Africa House, Kingsway, London, W.C.2 (emergency supplies from John Bell & Croyden); CIBA LABORATORIES, LTD., Horsham, Sussex; HIRST, BROOKE & HIRST, LTD., Sheepscar Works, Leeds; H. R. NAPP, LTD., 3 Clement's Inn, London, W.C.2 (emergency supplies from John Bell & Croyden and R. Woolby Brooke, 38 Gloucester Road, London, S.W.7); and SHARP & DOHME, LTD.,

West Hill Laboratories, Hoddesdon, Hert (emergency supplies from John Bell & Croyden).—GENATOSAN, LTD., Loughborough, Leics, will be closed from mid-day, December 24 until Monday morning, December 29 (emergency supplies from John Bell & Croyden).—J. H. HAYWOOD LTD., 11 Warser Gate, Nottingham, will be closed for Christmas holidays on December 25 and 26 and for stocktaking purposes on December 29, 30 and 31. WRIGHT, LAYMAN & UMNEY, LTD., 44 Southwark Street, London, S.E.1, and Dakin Brothers, Ltd., their associate company, will be closed for Christmas holidays on December 25, 26 and 27, and for stocktaking purposes on December 29, 30 and 31.

Dollar Earnings.—The Automatic Weighing & Packing Machine Co., Caroline Street, Birmingham, 3, state that encouraged by the demand for their machines in the pharmaceutical industry in America, they decided to exhibit them at the Chemical Show, Grand Central Palace, New York. A cable subsequently received reports widespread interest and many orders. Information from the company's agents indicates that, by direct exports of the company's products to the United States, an amount of \$4,000,000 is being brought into the country in the next few years.

COMING EVENTS

Monday, December 15

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Gold Lion Hotel, Romford, at 7.30 p.m. Film show and lecture arranged by Sharp & Dohme Ltd.

Wednesday, December 17

CHEMICAL SOCIETY, Royal Institution, Albemarle Street, London, W.1, at 5 p.m. Professor John Read, M.A., Sc.D., F.R.S., on "Chemical Personalities a Century Ago."

Thursday, December 18

DUNDEE AND EAST AND CENTRAL SCOTTISH BRANCH PHARMACEUTICAL SOCIETY, Royal Hotel, Union Street, Dundee, at 7.30 p.m. Mr. André Page, A.I.B.P., A.R.P.S., on "The Romance of Modern Photography."

Friday, December 19

LONDON BRANCH, Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. A discussion on the Pharmaceutical Society's education policy to be opened by Mr. C. W. Maplethorpe, Ph.C. (chairman of the Society's Education Committee).

THE NATIONAL ASSOCIATION OF WOMEN PHARMACISTS is holding a dance at the Bonnington Hotel, Southampton Row, London, W.C.1, on Wednesday, January 14, 1948, 7-11 p.m. (evening dress optional). Tickets may be obtained from Miss E. F. Hayward, 29 Summerlea Gardens, London, N.2.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List (Part 1). — *Chesebrough Mfg. Co., Ltd.*, Vaseline brand petroleum jelly, yellow, bottles, No. 1 size, 46s. gd. gross, tax $33\frac{1}{3}$ per cent., inclusive retail price 6½d.; tins, No. 1 size, 25s. gross, tax $33\frac{1}{3}$ per cent., i.r.p. $3\frac{1}{2}$ d.; white, bottles, No. 1 size, 54s. gross, tax $33\frac{1}{3}$ per cent., i.r.p. 7½d.; tins, No. 1 size, 32s. gross, tax $33\frac{1}{3}$ per cent., i.r.p. 4½d.; tubes, No. 2 size, 9s. 2d., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 3d.

Eli Lilly & Co., Ltd., New size, No. 222 Pulvis sodium Amytal brand sodium iso-amyl ethyl biturate, gr. 3 (0.2 gm.), 100's, 180s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 27s. 6d.

MacLennan Brand Products, Ltd., Pheriban tonic tablets, 27s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 4s. 3d. *A. L. Simpink & Co., Ltd.*, Rhumuv capsules, 4s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 10d.; 45s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 7s. 2d. Display carns (each containing six small and one large size) priced at 21s. per carton, including purchase tax. Minimum quantity of one carton or one doz. small or, or $\frac{1}{2}$ doz. large size. Carriage paid.

Wm. R. Warner & Co., Ltd., Gelusil tablets, 6s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 4s.

Alterations to List (Part 1). — (The alterations involve basic retail or standard wholesale prices and not arise from increases in the rate of purchase tax.) — *Allcock Products, Ltd.*, Allcock brand porousasters, 11s. 4d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 7d.

Allen & Hanburys, Ltd., Acriflex, 16s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 5½d.

W. H. Box (E. J. Casley), Box's giant indigestion pills, 10s. 1½d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3d.

Askit, Ltd., Askit powders, packets of six, 6s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.; packets of thirty-two, 52s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 6s. 9d.; packets of seventy-six, 10s. each, tax $33\frac{1}{3}$ per cent. Askit tablets, 10s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.

W. B. Cartwright, Ltd., No. 33 pile ointment, 10s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 3d.; No. 350umatic tablets, 50's, 6s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.; 200's, 18s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 4s. 3d. Penetrol inhalant, large 2s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 6d.; 100 doz. at 25s. doz. Pacific pain balm, 8s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.

Cephus, Ltd., Eight powders or sixteen tablets, 6s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.; twenty-one powders or forty-two tablets, 26s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 7½d.; twenty-one tablets at 2½d. per dose, 26s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 7½d. 110 doses powders at 2½d. per dose, 132s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 18s.

Christie, George & Co., Di-Meepol, 10s. 10d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 8d.; 14s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 2d.

Thos. Christy & Co., Ltd., Mrs. Winslow's syrup, 3s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 6d.

Denver Chemical Mfg. Co., Antiphlogistine, 8-oz., 20s. 2d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. *Alfred Fennings* (Fennings' preparations), Adult coling powders, 10s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.; 25s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 6d.; loose powders, 1½d. each. Children's cool-

ing powders, 10s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.; 25s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 6d.; 100's, 51s. doz., tax $33\frac{1}{3}$ per cent.; 240's, 120s. doz., tax $33\frac{1}{3}$ per cent.; loose powders, 1d. each, ten for 9d. Little healers, 10s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d. 25s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 6d.; twelve 7d. boxes, 49s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 7s. Whooping-cough mixture, 10s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d. Sulphur powders, 10s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.; 25s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 6d.; loose powders, 1½d. each. Stomach strengtheners, 9s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 3d.; 21s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. Ointment, 9s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 3d. Indigestion tablets, 7s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. Indigestion tablets, 18s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 6d. Rheumatic tablets, 18s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 6d. Special quantity terms (for orders for not less than £10 worth assorted) less 10 per cent. cash with order. Carriage paid.

Alfred Fennings, Fever mixture, 10s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.

Iglodine Co., Ltd., Iglodine antiseptic, 3-oz., 8s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 2d.; 8-oz., 16s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 3d. Quart, 54s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 7s. 9d. ½-gall., 81s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 12s. 2d. 1-gall., 144s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 21s. 6d.; 5-gall., 56s. each, tax $33\frac{1}{3}$ per cent., i.r.p. 102s. Embrocation, 19s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 8d. Ointment, tins, 11s. 8d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 7d.; jars, 24s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 4d.; jars, 38s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 5s. 2d.; 54s. 6d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 7s. 8d. Salicylated, 19s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 8d. Suppositories, 12s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 8d. Throat tablets, 5s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 8½d. Pastilles, 7s. 10d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 1d. £2 10s. assorted orders:—Antiseptic, 3-oz., 8s. doz.; 8-oz., 15s. 3d. doz.; embrocation, 18s. doz.; ointment, 11s., 22s. 9d., 35s. 3d. and 52s. 6d. doz.; salicylated, 18s. doz.; suppositories, 11s. 3d. doz.; throat tablets, 4s. 10d. doz.; pastilles, 7s. 6d. doz.

Irving's Yeast-Vite, Ltd., Irving's Yeast-Vite, Cicfa, Iron Jelloids, and Holloways pills, medium sizes, 27s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 8d.

W. Lambert & Co., Dr. Scotts brand pills, 4s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 8d.; 11s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 8d.; 27s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 9d.

Lehn & Fink Products, Ltd., Osyl antiseptic, 2½-oz., 5s. 4½d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 9d.; 10-oz., 16s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 3d.; £3 orders, 5s. 0½d. and 14s. 9d. doz.; £7 10s. orders, 4s. 9½d. and 14s. 3d. doz.

London & Colonial Export Co., Ltd., Irvona tonic tablets, small size, 11s. 4½d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 7d. Standard wholesale prices of two large sizes unchanged.

Reade Bros. & Co., Ltd., Express powders and tablets:—Eight powders or sixteen tablets, 10s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 6d.; twenty-two powders, 27s. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 9d.; forty-five powders (broken bulk), 54s. doz., tax $33\frac{1}{3}$ per cent.; 112 powders (broken bulk), 132s. doz., tax $33\frac{1}{3}$ per cent.; single powders, 2½d. each.

BARRIER CREAMS

DR. SYBIL G. HORNER (H.M. Medical Inspector of Factories to the Ministry of Labour and National Service), who was the speaker at a meeting of the National Association of Women Pharmacists held in London on December 4, described the use of barrier creams in preventing industrial dermatitis. Miss D. M. Jones (president) was in the chair.

Early Use of Greases

It might be fanciful, said Dr. Horner, to describe the woad and war-paint of ancient times as an early example of the barrier-cream principle, but workers in some trades, particularly those handling pitch and tar, had for centuries used protective greases or kaolin preparations on their skin. The influx of women into factories during the recent war, and the consequent need for "glamorising" protective measures, had stimulated interest in the formulation of barrier creams for specific purposes.

Any barrier cream, said the speaker, must satisfy four requirements. (1) It must not irritate the skin and should have a pH not much above or below that of the skin, i.e., 5.5—6.5. (2) It must be insoluble in the substance against which it was to provide protection. (3) It must not make the hands sticky or slippery. (4) It must be easy to remove with ordinary cleansing agents. The simplest type was a vanishing cream which left the follicles filled with soap, thereby, also, facilitating washing. A U.S. "type formula" was:—

Stearic acid	20
Sodium carbonate	2
Glycerin	6
Water	78

Another type was designed to leave a thin film of resin or wax on the skin to prevent the irritant substance from coming into contact with it. Such a barrier might be water-soluble or water-insoluble. A water-insoluble film had the disadvantage that it could be removed only by the use of a special solvent. To prevent its film being displaced by the normal sweating of the skin, a water-soluble cream sometimes included fats and oils. Methyl cellulose, tragacanth, casein and sodium alginate were some of the water-soluble substances that might be used, and an American "type formula" was:—

Acacia	5
Tragacanth	5
Borax	2
Water	88

Waterproof barriers, continued Dr. Horner, were designed to cover the skin and fill the follicles with a harmless fat to repel water-soluble irritants. Any type of barrier might include a "light-deflectant" agent, as some substances became more irritant by chemical changes on exposure to light. It had been proved that tetryl was changed by the action of ultra-violet light into the much more irritant methylpicramide. Some waterproof barriers were also designed to protect against solvents by a buffering effect; others were made more easy to remove by the incorporation of one of the synthetic wetting agents which might also be used in a cleanser, e.g., sulphonated castor oil with a wetting agent for cleansing skin from mineral oil. The simplest type of waterproof cream was:—

Lanolin	1
Soft paraffin	3

The simple fatty bases had the disadvantage that they tended to stop heat radiation, and might be unpleasantly greasy. They could be improved by the newer emulsifying agents, the use of which was particularly encouraged during the war as a means of economising in precious fats.

Easy to Remove

An oil-in-water emulsion of suitable type largely "vanished" on being rubbed in, provided protection in dirty work, and was easy to wash out without scrubbing or the use of strong detergents. An American "type formula" was:—

Lanette wax SX	10
Arachis oil	20
Soft paraffin	20
Water	50

Such an emulsion had the added advantage that, if well rubbed in to the skin, it would not soil paper or fabric and could be used even for delicate work. The addition of a preservative, e.g. chlorocresol 1-1000, was desirable to prevent the growth of moulds, and there was a tendency for oil-in-water emulsions to dry up in bulk. For industries with a toxic as well as a skin hazard, the formulation of barrier creams required great care or the risk of systemic or local effects might be aggravated. Animal fats should, as a rule, be omitted where there is a risk of skin absorption of a poison, e.g. T.N.T. nitrobenzylene or aniline, as they might promote the absorption of toxic substances. In the food industry, creams must be designed not to contaminate foods or impart a scent to them.

Barrier creams were of no use, said Dr. Horner, unless they were regularly used; they must therefore be made attractive to the workers (e.g. tinted for women) and pleasantly perfumed; they should always be easy to apply and remove, and each worker should be provided with an individual supply.

Four Essentials

The use of barriers was only one stage in the cycle of preventing industrial dermatitis. The complete cycle might be remembered by the mnemonic S P I C:—

Selection of workers; they should have good skins and not have proved susceptible to irritation by the materials used in the particular industry.

Protection, embracing correct temperature, good ventilation, planning of work to minimise contact with irritants, and the use of splash-guards, protective clothing and barrier creams.

Inspection to assess the proper use of the protective measures and so that skin irritation might be diagnosed at an early stage, and

Cleanliness, the importance of which need not be stressed.

The Minister of Labour had set up an Advisory Panel on Dermatitis in Industry, which had the benefit of advice from consulting dermatologists, industrial experts and chemists, etc. The Panel had approached the Pharmaceutical Society, which was going to set up a subcommittee to consider formulas for barrier creams suitable for inclusion in the British Pharmaceutical Codex; at present most barrier creams were proprietary products. The inclusion in the B.P.C. of standard formulas for different types of barrier creams, concluded Dr. Horner, would mark a step forward towards a scientific outlook on barrier preparations.

A number of questions were asked by members about the use of creams to protect the hands against washing-up and the hazards of housework, and Dr. Horner thought that no single cream would be suitable for such a diversity of household tasks. Instead, she suggested the use of a skin food of the soft paraffin and lanolin type after the housework was finished.

NOMENCLATURE OF AMINO ACIDS

RULES for the nomenclature of amino acids have been agreed upon recently by a number of British and American scientific journals, including the "Journal of the Chemical Society" and the "Biochemical Journal." They are summarised below:—

(a) Where a distinction between the stereoisomers of an amino acid is necessary, the configurational family to which the alpha carbon atom belongs is to be shown by a prefixed small capital letter. Examples: L-leucine, D-valine.

(b) The same method may be adopted for showing the configuration of carbohydrates and other compounds which can be configurationally related to glyceraldehyde, but where confusion may arise between the use of the prefix for the alpha carbon atom in amino acids and for the highest numbered asymmetric carbon atom in carbohydrates, the subscript *s* (abbreviation for serine) is added to indicate an amino acid nomenclature and *g* (for glyceraldehyde) to indicate a carbohydrate nomenclature. Example: L_s-threonine, for which the synonym in carbohydrate nomenclature is 2-amino-2:4-dideoxy-D_g-threonic acid.

(c) If the configurational relationship of the alpha carbon atom has not been established the direction of rotation in a speci-

fied solvent is to be shown by the prefixes *dextro* or *laevo*, or by a plus or minus sign in parenthesis. Examples: *dextro*hydroxytryptophan, (+)-hydroxytryptophan. The prefix *meso* is to be used for isomers optically inactive because of internal compensation.

(d) Where an amino acid has two asymmetric centres, and internal compensation is impossible, the form occurring in proteins is to be called the L-amino-acid, and that with opposite configuration on both asymmetric carbon atoms the D-amino-acid. Forms with opposite configuration on one asymmetric carbon atom are to be called D-*allo* and L-*allo*.

A trivial name for a compound containing two alpha amino carboxylic acid groupings attached to dissimilar carbon chains is to bear the configuration designation of the alpha carbon atoms of the smaller chain.

German Bile-acid Production.—A report on the manufacture of cholic, desoxycholic and dehydrocholic acids from ox bile by Riedel-de-Haen, A.G., Berlin, has recently been published by the British Intelligence Objectives Subcommittee (F.I.A.T. Final Report, No. 912), (H.M. Stationery Office, London, W.C.2).

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An Opportune Publication

THIS week the first copies of THE CHEMIST AND DRUGGIST Diary and Year Book, 1948, are being sent out to subscribers. It is anticipated that Home distribution will be completed before Christmas.

The literary contents of this year's Diary contain a number of new features. "A Table of Barbiturates" continues the series of tabulated notes on medicaments that has proved popular in the issues of recent years. The class of compounds that forms the subject of this year's table is one of which pharmacists have been finding it increasingly difficult to keep track. It is not contended that every proprietary barbiturate has been included—that would be too bold a claim. Nor has any attempt been made to include preparations containing mixtures of barbiturates with other compounds. Nevertheless it is true to say that the table serves as a clear reference to the chemical name, formula and dose of the barbiturates in common use.

A summary of the Chemists' Federation standards for proprietary preparations submitted to the C.F. list focuses attention on a subject that has been much under discussion in recent months. Other bodies, such as the Newspaper Association and the Proprietary Association of Great Britain, have published their own standards for advertisements of proprietary medicines, but the Federation can claim with good reason to be the only body that has attempted, by examining both product and claims (and making sure that the first is therapeutically sound and the second rea-

sonable) to have tackled the problem fundamentally. Adequate support for the ideals of the Federation will go far to render unnecessary any new measures of statutory control of advertising.

A page of notes on the dispensing of penicillin provides a useful summary of the provisions of the Penicillin Act, 1947, of the circumstances governing the choice of white and "coloured" penicillin, and of the requirements of the National Health Insurance service. Minimum wage rates under the National Joint Industrial Council for Retail Pharmacy are shown at the levels (revised since last year) in operation at the time of going to press (October 1947), and they may be set in perspective against the salary scales (given for the first time this year) for (a) hospital pharmacists in Great Britain and (b) retail employees in pharmacy in Scotland and in Eire.

In "Units and Definitions" are collected a few of the many new technical terms which are more and more tending to creep into the vocabulary of pharmacy, yet of which precise definitions are not always entirely easy to locate.

All the recurrent features of the Year Book have been thoroughly revised. An outline explanation of the Pharmacy and Medicines Act, 1941, takes in the decisions resulting from the Society's "friendly" test action, given since the previous edition went to press. "Poisons Regulations, Great Britain," is correct down to and including draft amendment proposals published in October 1947. Photographic developing and printing prices given are those current at October 31, 1947, and the revisions of the pharmaceutical, other drug trade, and official and professional organisations are carried out to the same date. Subscribers should note that a new secretary (Mr. Frank White) has been elected to office in the Peterborough Chemists' Association. His address is 16 Westgate, Peterborough. A new and valuable addition to the section of names and addresses is a list of the pharmacists serving on Executive Councils under the National Health Service Act.

Adjustments effected in the pages on purchase tax require further modification because of the Chancellor's supplementary budget of November 1947, but

the resulting changes are outlined in an addendum slip inserted immediately in front of the second pink (editorial) section. Changes in import duties are similarly dealt with. It is regretted that the new prices for practically all drugs (another result of the Budget) have involved too heavy an amount of recalculation to enable the *C. & D.* Dispensing Price List to be sent out with the Year Book according to the custom of recent years. Instead, subscribers will receive a copy of the Price List, when ready, with the next succeeding weekly issue of the *C. & D.* itself.

To refer to the colourful advertisement pages of the Diary seems superfluous, since evidence continues to accumulate that they are studied with profit to all concerned. Yet it would be churlish not to acknowledge the high degree of co-operation between advertiser and printer that has produced the very varied, artistic and informative announcements which occupy by far the greatest number of pages in what is, by any criterion, a very substantial book.

To forestall possible disappointment, it must be pointed out that the paper allocation for the Diary has again been strictly limited, and that no spare copies are available beyond the number prepared for actual subscribers.

Referred in One Subject

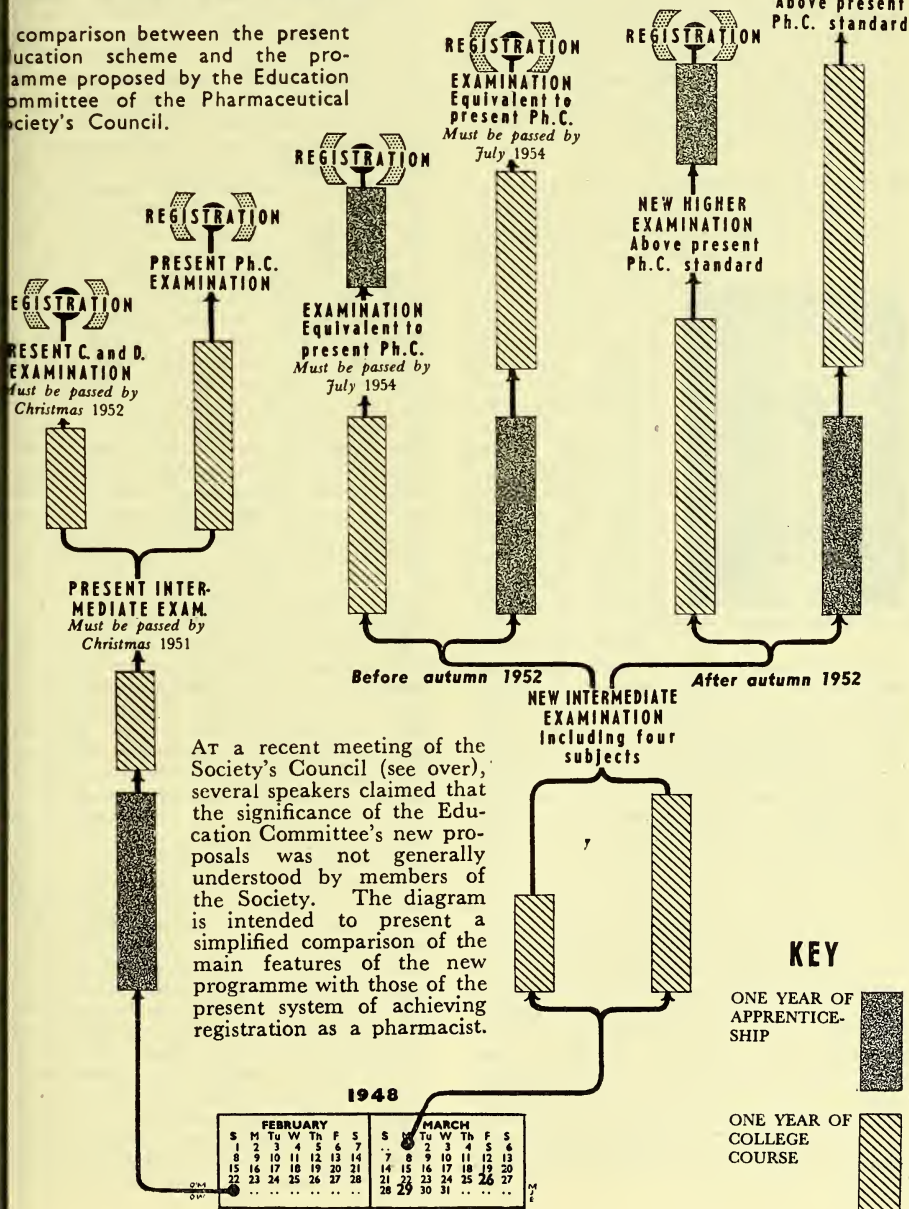
It is an open secret that the Pharmaceutical Society's Council, although it approved in April the two reports on education and examination submitted by its Education Committee, has never wholeheartedly approved the policy of putting them into effect immediately. The doubts of the sceptical have been increased from contact with members at branch meetings, among whom there is a widespread feeling, amounting almost to resentment, (a) that they were never given an opportunity of discussing the educational proposals before they were presented with a *fait accompli*, and (b) that no proposals, however good, need be rushed through with such precipitancy. The opposition came to a head at the December Council meeting (see p. 726) when, after two votes (one of them a secret ballot) in which the ayes exactly equalled the noes, the draft examination regulations

were referred back to the Committee.

On the face of it this is a direct rescission of a previous decision, which would provide the president with a certain justification for calling the Council "crazy"—a remark which she refused to withdraw except insofar as it might refer to individuals. In actual fact, it was not regarded in that way by the chief spokesmen for policy of delay and reconsideration. Mr. Granville Shaw, who moved that the proposed regulations should not come into force for two years, challenged the Society's secretary (Mr. H. N. Linstead) to deny that he had assured members of the Council, at the time the recommendations of the Education Committee came before them, that they were not committing themselves to the scheme by approving the report. On the question of fact Mr. Linstead would not commit himself without turning up the full report, but the fact that there was any doubt on the point in members' minds only proves the wisdom of reconsideration. So vital a matter as a virtual revolution in pharmaceutical education should not be passed reluctantly, or in a confused state of mind, or by a bare majority, or in defiance of a gathering opposition among present members of the Society. It is perhaps to be regretted that Branch Representatives heard the policy expounded at Torquay not by the chairman of the Education Committee, who was absent from England but by the persuasive secretary of the Society. Members not present at Torquay are even less acquainted with what the proposals entail, and we have endeavoured in this issue (opposite) to present a clear and simplified picture of the scheme. There is no doubt that members throughout the country are taking a great interest in the projected changes, and Mr. Maplethorpe is likely to meet with increased requests to expound his recommendations at branch meetings; such requests deserve sympathetic consideration. Either the proposals are good, in which case they will survive full examination, or they need modifying, in which event the wider the discussion the more likely it is that a wise and acceptable scheme will be worked out. If that should prove the outcome of reference back, it will be to the good of all parties concerned.

EDUCATION PROGRAMME N OUTLINE

comparison between the present education scheme and the programme proposed by the Education Committee of the Pharmaceutical Society's Council.



FEBRUARY											
S	M	Tu	W	Th	F	S	S	M	Tu	W	Th
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	1	2	3	4	5
6	7	8	9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26	27	28	29
30	31	1	2	3	4	5	6	7	8	9	10

EDUCATION SCHEME REFERRED BACK

Pharmaceutical Society's Council rebuked by president at public session of monthly Council meeting on December 3

THE revised examination regulations, put forward under the educational policy adopted by the Council of the Pharmaceutical Society in April came in for strong criticism at the monthly meeting of the Council held in London on December 3. Mrs. J. K. Irvine (president) was in the chair.

Motion for Postponement

An amendment that the proposed regulations should not come into force for two years was moved by MR. GRANVILLE SHAW,



Mr. H. Granville Shaw, Ph.C.

who referred to the difficulties involved and the lack of unanimity existing amongst members of the Council. The difficulties in connection with those regulations, said Mr. Shaw, were great. It was proposed that the three subjects (physics, chemistry and botany) at present required for the Society's intermediate examination (physics, chemistry and biology) should be increased to four by the addition of mathematics. Unless the student was prepared to spend another year studying mathematics in order to qualify for his intermediate examination, he would be bound to make a 25 per cent. reduction in the time available for devoting to those other subjects. Mr. Shaw reminded the Council of the report circulated by the board of examiners in September, which drew attention, amongst other things, to the fact that the weakness of many candidates in the papers on biology and botany was due to lack of time in preparation for the examination. If mathematics were added, it would be difficult for the student to devote the amount of time he had so far been giving to those subjects. The matter had also to be considered from the woman's point of view. In a recent discussion he had had with the headmaster of a big public school, he had been informed that girls who were fond of mathematics and good at it were "queer fish."

THE PRESIDENT interpolated a request to Mr. Granville Shaw to withdraw his remark about women. Women entering pharmacy would be prepared to take mathematics, and it was undesirable that there should be any sex discrimination.

Mr. Granville Shaw withdrew the remark after repeating that it was the opinion of the headmaster of a public school. Proceeding to the question of examinations in appendix 3, he pointed out that under the regulations, botany for the first time in 100 years became an optional study. A student could get a higher school certificate in physics, chemistry and mathematics, and then proceed to the pharmacy course, yet of seventy-five drugs included in the Pharmacopœia only six were not of botanical origin. It was difficult, therefore, to see how a student could enter a degree course without any knowledge of botany. The regulation would mean that a brilliant student might qualify and become a distinguished physician in Harley Street yet he would not be considered good enough to enter into pharmacy unless he spent another year studying mathematics. The student would just not do it.

Purpose of Extra School Years

Mr. Shaw referred to a statement made by Mr. Maplethorpe (chairman of the Education Committee) which was read at the British Pharmaceutical Conference, Torquay, in which it was pointed out that, before the three-year course was introduced, it was hoped that it would be possible for the student to take his intermediate studies at school and to secure the higher school certificate instead of the present matriculation. That would mean that, in the first two years, the student would devote all his time to chemistry, physics, mathematics and biology. The proposal portrayed he declared, a complete and fundamental misconception of the whole object of those two years at school, which was not merely to give preliminary training for the profession, but to make the student a good citizen and develop his character. That could not be done if he were made to concentrate on purely technical subjects all the time.

Finally, the country was at the present time in the throes of an economic crisis. Food was getting shorter, and young people, particularly students, were suffering from

shortage of food. It would have been fairer and more common-sense act to relax the regulation for the time being rather than increase its stringency and he appealed to members of the Education Committee to think twice before they inflicted that recommendation upon pharmacy.

Mesmerised "

MR. H. M. HIRST, in seconding the amendment, said he agreed with the majority of Mr. Granville Shaw's remarks. The pharmacists of the country did not know what they were being let in for. On two occasions within the previous month he had been astounded at the lack of knowledge among members about the regulations. It was his opinion that delegates at the Torquay Branch Representatives' meeting had learned only one side of the question. They had been mesmerised by the eloquence of Mr. Linstead! He had heard it said by representatives after they had left the meeting that they were sorry not having voted in the way they did, but had been carried away by the eloquence of Mr. Linstead. It was not fair to the chemists of the country to inflict the recommendation upon them until it had been thoroughly discussed at every branch meeting throughout the country, and until the opposition to it had been allowed full play in the Press.

MR. C. DAVIS confirmed what Mr. Hirst had said about the lack of knowledge of members up and down the country. A few days previously, at a meeting of the Coventry and Warwickshire Branch, he had been contradicted when he pointed out that there was a possibility of a three-year course. If people were not aware of the changes, there would seem to be a great deal to be said for postponing the alteration of the by-law.

MR. W. S. HOWELLS asked for clarification of the regulation for registration of apprentices or students. If his interpretations were correct he suggested that entrants to pharmacy were being asked to subject themselves to a higher standard of test than was required by any other comparable profession.

MR. C. W. MAPLETHORPE in replying first to the last point, said that what was contained in the appendix was merely a copy of what was already in the current regulation. With regard to the other points raised, he found it difficult to understand the discussion. Draft regulations were being put forward for the conduct of the examinations; the syllabus was not

being dealt with in detail. Obviously the syllabus would have to be considered in conjunction with the examiners and teachers. Many months previously the Council had approved the report prepared by the Education Committee, and it obviously became essential that new regulations should be prepared for sending to the Privy Council. The Council having approved the report, it was surely merely a matter of routine for officials of the Society to redraft the regulations and present them to the Council to make sure there were no drafting errors. In essence, the Council had already approved the situation. Many members of the Council had felt that the branches should have an opportunity of discussing the suggested regulation, and that had been done at the Branch Representatives' meeting at Torquay. Unable to be present himself, he had sent a written statement which had been read. There was a discussion, and the opposition was well heard. Replies which he would have made had he been present had been made by Mr. Linstead, who had set out the whole situation very clearly, and the Torquay meeting approved the Council's action in setting out the new regulations. He could do no more except to say that the Council had given its approval, the Branch Representatives' meeting had also given approval, and an attempt was being made to implement what had been approved.

THE PRESIDENT said she would put Mr. Shaw's amendment to the vote. MR. GRANVILLE SHAW demanded a ballot, and in this ten members voted for the amendment and ten against; there was one blank paper. THE PRESIDENT announced that, as the Council had already approved the regulations, and as the Education Committee had brought the matter forward after having thought it over and discussed it for nearly two years, she would give her casting vote against Mr. Granville Shaw's amendment.

" Crazy " Council

MR. J. F. MCNEAL raised a point of order; if the president had not voted in the first ballot, he said, the casting vote did not become operative. THE PRESIDENT replied that Mr. McNeal did not know whether or not she had voted, but she would state that she had in fact voted, because she thought the Council was crazy.

MR. HIRST said he refused to sit at the Council table and be called crazy, and asked the president to withdraw her remark.

THE PRESIDENT said she would not withdraw the remark. The Council brought motions up, made unanimous decisions, and then later turned the whole thing upside down. MR. C. DAVIS in requesting the president to withdraw the remark, said that members of the Council were in many cases giving a life's service, and in some cases sustaining financial loss in attending meetings. To be called crazy by the president was bitter and uncalled for. The whole Council, would, he felt sure, ask her to withdraw the word. THE PRESIDENT then agreed to withdraw it so far as individuals were concerned.

MR. GRANVILLE SHAW said that when the Council had discussed the proposals in May, members had been assured by the secretary of the Society that, by accepting the recommendations of the Education Committee and adopting the scheme, they were not committing themselves to it. He challenged Mr. Linstead to deny that.

THE SECRETARY said a lot of heat had been generated and he did not propose to fan the flames. MR. T. HESELTINE asked for a clear answer.

THE PRESIDENT stated that she would put the recommendation to the meeting, and MR. HESELTINE asked whether that meant that the president refused to answer his question.

THE PRESIDENT replied that she did not understand the question, which did not appear to be germane to the discussion, and MR. HESELTINE said he desired an answer, yes or no, to Mr. Granville Shaw's assertion.

THE SECRETARY replied. He said Mr. Granville Shaw would have to write out the question, and then the minutes would have to be turned up to find out exactly what had been said. It had been perfectly clear all the way along that unless a formal resolution of the Council was passed, the Council were always technically free. It was a mere matter of ordinary public business and to that extent he agreed with what Mr. Granville Shaw had said. To be asked to throw one's mind back to what was said in May 1947 on a fine point of wording was asking too much at short notice.

THE PRESIDENT then put to the meeting the recommendation "That the draft regulations incorporating the drafting amendments agreed by the Education Committee be adopted for submission to the Privy Council in substitution for the regulations approved by the Privy Council on February 16, 1942." On a show of

hands, nine members voted in favour of the recommendation and nine voted against.

THE SECRETARY read the relevant rule of the Society which stated that matters proposed at meetings of the Council "shall be decided by a majority of members present . . . the person presiding having in case of equality, a second or casting vote" and MR. GRANVILLE SHAW pointed out, on a point of order, that as there were twenty-one members present there must be eleven in favour of a motion to confirm the resolution.

MR. H. C. SHAW said it would not impair the issue if the matter were referred back to the Education Committee, and he accordingly moved reference back. MR. W. S. HOWELLS seconded and the motion was carried.

Ex-Service Candidates for Examination

MR. J. F. MCNEAL said that arising out of the minutes of the Education Committee of November it was inferred that a large percentage of failures in examinations was due to ex-Service candidates. At that meeting he had asked if he could be informed of the percentage of ex-Service candidates who had attended examinations, and he had been promised those figures. He had heard nothing since about the matter, and asked if the figures could be given. THE SECRETARY replied that there were no means of tracing an ex-Service candidate unless he happened to have made application for a special concession.

MR. MCNEAL asked if he was to understand that the percentage of failures due to ex-Service candidates had been inferred although nobody knew how many there were. THE PRESIDENT said she did not know who had made the remark. It was not a decision of the Council.

MR. MCNEAL said it had been made by the acting chairman of the Education Committee (Mr. A. A. Meldrum). It seemed ridiculous that a percentage of failures should be attributed to the number of ex-Service candidates when nobody knew how many ex-Service candidates there were. He would leave the matter over until next month and ask for the statement to be withdrawn. THE SECRETARY said he was not aware of the precise circumstances in which the acting chairman made the remark, but there was no evidence one way or the other as to the reason for the failures.

[The remainder of the Council business is held over].

NOTES FOR INTENDING EMIGRANTS

(Continued from *THE CHEMIST AND DRUGGIST*, November 29, p. 663)

3. Canada

ONTARIO is the only Province of Canada which has a reciprocal qualification arrangement with Great Britain. The qualifying authority of the Province is the Ontario College of Pharmacy, Toronto, 2, Ontario. The retail section of pharmacy in Canada has recently been enjoying a period of exceptional prosperity.

The type of trade conducted at the majority of retail pharmacies (usually called drug stores) in Canada differs from that in Britain. Though the external design of the shops is clean and modern much of the interior is often given over to a soda fountain or lunch bar, while certain counters may be devoted to the sale of tobacco, pipes, matches, etc., and others to the sale of daily and weekly papers, "funnies," stationery, cheap novels and fancy goods. In certain districts religious articles, such as crucifixes, models of the Virgin Mary, etc., form part of the pharmacists' stock-in-trade. The dispensing department, if small, is usually well fitted, well lighted and of modern design.

1 p.m. Closing

Pharmacies are more numerous than in Britain, and frequently have a working arrangement with certain doctors, whose dispensing they do. The closing hour is often 11 p.m., and in big cities sometimes later. Hospital pharmacy probably offers less scope to intending immigrants, for the majority of the hospitals are smaller than in Britain, and many of them, particularly in Quebec Province, are staffed entirely by nuns. Salaries tend to be below those paid in retail.

Training

Training requirements vary from province to province, but usually a two-year apprenticeship is required, followed by a two- to four-year course, according to the qualification desired, at a college or university. In the Provinces of Saskatchewan, Manitoba and Ontario degrees may be obtained. In Saskatchewan, if the degree course is taken, apprenticeship may be limited to one year. Reciprocity of qualification does not exist between all of the provinces.

The need for immigrant pharmacists in Ontario was not great enough to qualify British pharmacists for an Air Emigration Scheme organised recently by the Ontario Government.

4. U.S.A.

CONDITIONS in retail pharmacy in the United States are similar to those described for Canada. There is no reciprocal qualification arrangement, however, between Great Britain and any State in the U.S.A. In large cities pharmacies are open until midnight, the staff working in shifts of eight hours. The average salary of a qualified man in U.S.A. is £20 per week, while an "intern" (a graduate doing a period of practical experience) earns about £10 15s. per week.

For qualification, forty-seven of the States require a four-year course, followed by graduation with a B.S. degree in pharmacy. Usually a period of only one year of practical experience is required, taken either before or after graduation. Two States stipulate that it must be taken after graduation. Reciprocity of qualification is not general between the forty-eight States of the U.S.A.

For manufacturing and other specialist work many pharmacists obtain a Ph.D. in chemistry.

The administrative body which covers the whole of the U.S.A. is the American Pharmaceutical Association, 2,215 Constitution Avenue, Washington, D.C.

5. Bahamas

THE field of retail pharmacy in the Bahamas is limited; persons with certificates find difficulty in obtaining employment. There is no manufacturing in the islands, owing to the limited training experience available, though there are locally produced drugs, a Bahama official states, which could be purified for export markets. Most of those associated with pharmacy are in the import trade, but this field of employment is sufficiently full.

Qualification

There is no reciprocity arrangement between the Bahamas pharmaceutical authority and the Pharmaceutical Society of Great Britain. No printed syllabus of studies in pharmacy is issued, but examinations are held by the Government, the examiners being the Islands' Chief Medical Officer, the Assistant Medical Officer and one private practitioner. A four-year apprenticeship under a certified pharmacist is necessary before a student is eligible to sit for the qualifying examination.

SUCCESS FOLLOWS "CHEMISTS ONLY" POLICY

How a new wholesale business established itself in the south-west

THE south-west corner of England is not, perhaps, the quarter in which one would expect to find anything significant in modern pharmaceutical business development. Nor is Paignton, Devon, from its position on the map, the place most people would choose as a centre for wholesale distribution to chemists. Yet in Paignton, during the past decade, has grown up a lively, efficient and successful organisation on which many hundreds of pharmacists (not all of them in the south-west) rely for their supplies.

Principle and Practice

There must be a secret for the success of such an enterprise, and there is: it is summed up in two words in the company's policy—"Pharmacists Only." At a very

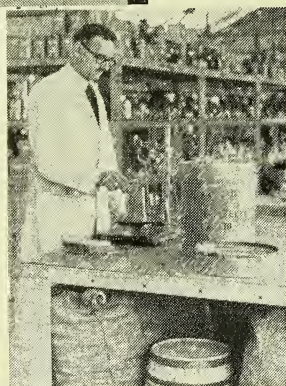
spaciously laid out, modernly equipped, and staff friendly and co-operative and its outlook progressive. The "detached steel glass and concrete structure" is a two storied building, with 12,000 sq. ft. of storage area on each floor. On the ground level are sundries, dressings and popular proprietaries; on the first floor ethicals and drugs. No stock of ethicals can be 100 per cent. complete, but under a very successful arrangement by which unstocked preparations are sent direct from the manufacture to the chemist placing the order, pharmacists can be sure of obtaining any urgent items in the shortest time. The drug department, the most recently established shows signs of expanding at an even greater rate than its predecessors. Fireproof shelving throughout both floors is ingenious



At left: Ethical proprietaries department. At right: Assembling orders for packaging and dispatch. Below, left: Weighing out "dry" drugs; right: Collecting a serum preparation from the refrigerator. At foot: Five of the company's fleet of delivery lorries.

early stage in its existence the business of J. R. Gibbs, Ltd., decided that its goal was to be "Everything for the pharmacist." By rapid stages that goal has been or is being reached. Already the company claims to hold the most comprehensive stocks of "ethical" proprietaries outside of London, and recalls with some pride that folic acid preparations were already on its shelves at a time when doctors were sending urgent requests for supplies to the United States. The company's practice is in line with its principles. A pharmacist is on the board of directors, and three other pharmacists are in charge of key departments.

First impressions—so often right—are of an organisation smartly housed, well and



contrived from pensioned-off Morrisonelters (over a thousand of them) which, ased, seem almost better adapted to theirresent function than to their originalurpose. A large refrigerator room foraccines and serums and a sizeableangerous Drugs room typify further theodern storage facilities of the building.ach department has its own office, inddition to the general offices of theompany.

Nine lorries provide a weekly service tohemists in twelve counties, to Weymouth

goods will be forthcoming. At present, some slight delay is unavoidable. The new machinery, which will also provide a complete and water-tight system of stock control, is believed to be the first application of machine methods on such a scale to wholesale pharmaceutical distribution.

Expansion of the Business

Like other successful businesses, J. R. Gibbs, Ltd., began in quite a modest way. In 1936 Mr. John Robert Gibbs, at that time a representative, decided there was an



for the Channel Islands), Southampton for the Isle of Wight), Land's End (for theilly Isles), and London. Many metropolitan customers have been quick to appreciate the advantages of a delivery arriving at the shop without fail at a regular hournce a week.

Improved Methods of Accounting

So soon as the new prices resulting from the increased purchase-tax rates have been entered on the 3½ million cards required for a newly installed Powers-Samas accounting-machine system, the added facility of invoice - with -

opening for a new wholesaler who would undertake to give a speedy delivery service in certain rather neglected areas, particularly Cornwall. His bungalow soon proving inadequate, he took over in 1937 two empty houses, at the same time forming a limited company with his father and brother as fellow directors. The company



Directors and staff of the company

secured "B" recognition from the Proprietary Articles Trade Association, and at first dealt mainly in sundries and "patents."



Entrance to works. At the door: Mr. J. R. Gibbs (managing director)

On the outbreak of war the two brothers joined up and Mr. Gibbs, sen., and the company's secretary (Miss J. Cornelius) kept the business going. In 1943 Miss Cornelius was herself called up into the W.A.A.F., but Mr. J. R. Gibbs, who was invalided out of the Royal Air Force, returned. (His brother, unhappily, died as a prisoner-of-war in Japanese hands.) The following year the present premises, then occupied by an insurance company evacuated from London, were bought. Not until 1945 could the company take over the ground floor and not before this year the whole building.

Full Recognition

"A" list recognition from the P.A.T.A. came in 1946, and thereafter progress was rapid. Today there is a staff of well over 100, with seven outside representatives. There are five directors (Messrs. J. R. Gibbs, managing; Robert Gibbs, Walter Deacon, C.B.E., J.P., M.Sc., M.P.S., Leonard Tucker, F.C.A., and D. R. Byfield. An informative "Monthly Notes" keeps customers aware of the company's activities, and a comprehensive price list, now in course of preparation, will be issued so soon as pricing difficulties have been overcome. In this and other ways the company shows evidence that the enterprise which led to its foundation continues to flourish.

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted for the purpose.

Tobacco Substitutes. — *R.D.* — Substitutes for tobacco which have been suggested recently in the Press include beech leaves, as used by the German troops in the 1914-18 war, and cinnamon bark which may be crushed and used in a pipe or cigarette.

Treatment of Icy Roads. — *L.R.B.* — Substance used in the chemical treatment of icy roads include the chlorides of sodium, calcium and magnesium those of sodium and calcium being most usually employed. Sodium chloride is more effective than calcium chloride down to a temperature of $+10^{\circ}\text{F}$ (-12°C) but is less effective at lower temperatures. As sodium chloride is cheaper than calcium chloride it is normally suitable for general use in Britain, particularly in the southern half of the country.

Merchandise Marks. — *J.S.* — The Merchandise Marks Act, 1926, requires that certain goods bear an indication of origin when sold by wholesale or retail (and in some instances, such as imported hair combs, the prescribed mark of origin must be present, in addition, at the time of importation). Tooth-brushes and shaving brushes are required to bear an impression in a contrasting colour (except in the instance of metal-handled brushes) when sold by retail, and cartons or other containers must also bear the indication of origin. Hair brushes may be marked in a similar fashion, or the mark may be printed or stamped on a label securely attached or affixed to the brush. Where the sale is by wholesale the prescribed marks must be present only where the seller is not a wholesale dealer.

Silvering Mirrors. — *G.L.S.* — Edel's process for silvering mirrors involves the use of the following solutions:—

(a) *Silvering Liquid.*

Silver nitrate	30 gm.
Distilled Water	240 mil
Solution of ammonia	a sufficiency.

Dissolve the silver nitrate in the water, add solution of ammonia until the precipitate at first formed is redissolved, filter, and make up to 480 mil with water.

(b) *Reducing Liquid.*

Potassium sodium tartrate	0.75 gm.
Water	300 mil
Silver nitrate	0.166 gm.

Dissolve the potassium sodium tartrate in the water and boil, then add the silver nitrate and boil from ten to fifteen minutes until grey. Filter, and make up to 480 mil with water.

For use, 30 mil of each solution is mixed diluted with 120 mil of water and poured over the surface of the glass to be silvered. In about an hour the whole of the silver is deposited. The glass is then rinsed in water, set up on edge to dry, and finally backed with a protective coating of asphalt varnish. Before silvering, the glass must be cleared.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Purchase Tax

SIR,—I have been the most consistent opponent of the purchase tax in your columns since it was first mooted. The tax is a war-time imposition and should have been abolished when war ended. It is equitable for two reasons—it compels retailers to have millions of their capital lying idle, and, by increasing costs helps to swell the demand for higher wages, which in turn adds to the costs of taxable articles, and so the vicious spiral goes up and up. Some simple souls ask where the money is coming from to replace the purchase tax. My reply is—do without it! Reduce expenditure. By reducing the Civil service by half a million expenditure could be reduced by £1,000 million.

Yours faithfully,

London, S.E.5.

S. E. A.

Army Pharmacists

SIR,—“Three-striper’s” letter in your column last week gives every reason why a pharmacist should avoid the medical services of the armed forces. No man with any claim to a profession should be a catch-all penny soft-job seeker. He should be ready and willing to accept responsibility, with all the privileges and sacrifices that go with it. If, by choice or force of circumstance, a pharmacist cannot obtain a commission, then what is termed in the Navy as the “lower deck complex” is a handicap for later civil life. I was called from my own business at the age of thirty-five. Now returned, I find that my former assistant, my rent collector, dentist, accountant, radio dealer, café proprietor, newsagent, and, of course, all ex-Service doctors, had commissions. Having worked, wine and dined with professional men of all kinds in the service, I can easily continue to do so in civil life.

Yours faithfully,

“MINESWEEPER.”

Pills and the Public

SIR,—The decision in the recent case of *Freeman v. The British Drug Houses, Ltd.*, dealing with the strength of dispensed pills, is a severe blow to one of the oldest pharmaceutical arts—pillmaking—and, if the law is to be strictly complied with, destructive of the confidence between doctor, pharmacist and patient. The law interprets its

rules by strict, settled principles and in a comment on the case in the *All England Law Reports*, the learned editor, while admitting that there has been criticism of the decision in the professional pharmaceutical Press, airily dismisses such criticism and reiterates Lord Goddard’s advice to send out dispensed pills with a label disclaiming responsibility for accuracy and potency. What a basis of confidence for a new health service! There can be no appeal from the Divisional Court, but we may hope that those who guide the destinies of pharmacy will not leave the matter in its present unsatisfactory state. Nobody could foresee such a result when the Food and Drugs Act, 1938, became law, but it proves that we must be ever watchful of all new legislation touching the professional or business side of pharmacy.

Yours faithfully,

CHARLES STEVENS,

Halifax.

LL.B.(Lond.), M.P.S.

Parliamentary Reference Premature

SIR,—We note a report under “The Week in Parliament” (*C. & D.*, December 6, p. 682) that Mr. J. W. Belcher has announced that licences for the importation from Switzerland of “Parapanit,” would be granted in cases where the application was supported by a medical certificate. Presumably the Parliamentary Secretary, Board of Trade, intended to refer to the preparation Parapanit (neither the Government spokesman nor his questioner appears to have mastered the name). Parapanit is manufactured by J. R. Geigy, S.A., Basle, Switzerland, for whom we are acting. It is at present the subject of trials conducted under the direction of the Medical Research Council, and has not yet been marketed in this country. Consequently, neither we nor Pharmaceutical Laboratories Geigy, Ltd., of Manchester, are able, for the present, to supply Parapanit either against individual prescriptions or otherwise. When the trials are satisfactorily concluded there will be no delay in making supplies generally available, and this will be announced through the professional Press.

Yours faithfully,

H. R. NAPP, *managing director*,
London, W.C.2.

H. R. NAPP, LTD.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

28 Essex Street, W.C.2, Dec. 10

THERE has been very little change in the markets during the past week with most sections steady. Business in PHARMACEUTICAL CHEMICALS on home trade account has been slow and it is not anticipated that a renewal of activity will come before the New Year; although prices are unchanged the general tone of the market is firm.

Crude Drugs

Activity in the CRUDE DRUGS markets has been restricted with most items quiet. There has been a fair inquiry from the Continent for commodities requiring dollars for their purchase, and, as most countries are not able to provide this currency, business has not been possible. Little consumer business is being done at the present time. A few small parcels of AGAR are afloat but the bulk of the material from Hongkong is yet to be shipped, the issue of further import licences for this item has been temporarily suspended. PERU BALSAM is tending easier on spot but higher prices are being asked for TOLU BALSAM. Offers of new-crop BUCHU are awaited with some interest as spot stocks of the official drug are very limited; there are, however, fairly good supplies of oval leaves. CALUMBA is quiet, a parcel of natural root is quoted at 67s. 6d. which is 2s. 6d. per lb. more than recent offers. LIQUORICE remains firm with a good volume of inquiry for Anatolian root. It is understood that reports prevalent in some quarters that the authorities were considering taking liquorice juice off open general licence are without foundation. It is expected, however, that the whole question of import licensing for this and other commodities will be reviewed in the New Year. Turkish black liquorice juice is becoming rather difficult to find and a considerable trade has been done in Italian stick juice. IPECACUANHA continues firm on spot and a good business is reported. Board of Trade returns for the ten months ended October 31 give the total imports of ipecacuanha "and other roots" as 48,951 cwt., compared with 45,569 cwt. and 31,213 cwt. in the corresponding periods of 1946 and 1938. Merchants have practically nothing to offer in medicinal and culinary English-grown HERBS: crops have been very disappointing principally because of the early drought. Supplies have been brought in from France and other Continental countries, and some from Chile, but stocks of most items have been disposed of, with little to come forward.

Prices are without material change in ESSENTIAL OILS markets and trade has been small. ANISE remains firm and quotations for Spanish ROSEMARY are inclined to strengthen; CASSIA is easier forward.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	December 10
*Alexandria ...	Piastres to £	97½-97½
Amsterdam ...	Florins to £	10.68-10.70
*Bombay ...	Pence to rupees	1-5½-1-6½
Brussels ...	Francs to £	176½-176½
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.59-7.61
*Hong Kong ...	Pence to \$	1-2½-1-3½
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02½-4.03½
New York ...	Dollars to £	4.02½-4.03½
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Rio de Janeiro ...	Cruz to £	75.3948
*Singapore ...	Pence to \$	2-4½-2-4½
Stockholm ...	Kronor to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

* Free market rates.

U.S. Drug and Chemical Report

New York, December 5

FOLLOWING the reduction in MERCURY prices, manufacturers of major mercurials have reduced their schedules by 25 to 30 cents per lb. CALOMEL becomes \$1.82 to \$1.83 per lb., CORROSIVE SUBLIMATE, \$1.53 per lb., RED PRECIPITATE, \$2.17 per lb., and WHITE PRECIPITATE, \$2.00 per lb. MINOR MERCURIALS are expected to be adjusted accordingly in the near future. U.S. production of mercury in the third quarter of 1947 amounted to 5,850 flasks above the second quarter output but was 300 flasks below the turnover in the same period of 1946. Imports totalled 1,074 flasks while exports amounted to only 96 flasks. Total domestic consumption in the July-September period was 7,400 flasks, a decline of 700 flasks compared with the second quarter, and more than 1,300 below consumption in the corresponding period of 1946. Spot SACCCHARIN prices have been increased 10 to 15 cents per lb. and contract schedules will be advanced accordingly from January 1, 1948. Granular soluble material is now priced at \$1.40 per lb. for 1,000-lb. lots while smaller quantities are at \$1.50.

MENTHOL prices have been reduced 10 cents per lb. in some quarters bringing the current range to \$8.90 from \$9.00 per lb. The reduction is attributed to the arrival of a large quantity from Brazil although some trade sources say that the decline will probably be only of a temporary nature. No Chinese menthol is afloat and some Japanese produce has been held up.

WAX prices have been advancing although trading in the CRUDE DRUG market has been generally slow over the past

week. Around 500 tons of CARNAUBA WAX reported to have been sold over the past fortnight—mainly for December-January shipment from Brazil. Major exporters there are now said to have withdrawn all offers for the time being. Current quotations in New York for No. 1 yellow range from £1.48 to \$1.52 per lb. Higher costs at the primary centre have resulted in a two cents per lb. increase for BALSAM COPAIBA, the new price being 70 cents per lb.

There has been sufficient demand for ESSENTIAL OILS to keep the market in a firm position over the past week. Most MINT OILS have displayed a strong tone, particularly SPEARMINT.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 6d. per lb. for crystals and 2s. 7d. per lb. for powder.

ADRENALINE.—B.P. is offered at prices from 5s. 6d. to 6s. per gm. for natural and from 2s. to 2s. 6d. for synthetic; racemic is quoted at 2s. per gm.

ALLOBARBITONE.—Current price for 10-lb. lots is 90s. per kilo; smaller quantities are quoted at 99s. per kilo.

AMPHETAMINE.—Steady. Prices for the BASE and SULPHATE are from 150s. to 160s. per lb., as to quantity.

ANETHOLE.—Spot quotations are from 2s. to 12s. 6d. per lb., as to quantity.

ASCORBIC ACID.—Current quotations are from £23 10s. per kilo, upwards.

BUTYL CHLORAL HYDRATE.—Current prices are from 17s. 6d. per lb. upwards.

CALAMINE.—B.P.C. quality is quoted at s. 5d. to 2s. 2d. per lb.

CALCIFEROL.—Quotations are at from 1s. to 12s. per gm., according to quantity.

CALCIUM GLUCONATE.—Makers' quotations are at 3s. 4d. per lb. for 1-cwt. lots.

CARBACHOL, B.P.—Price of small quantities is in the region of 5s. per gm.

CARBOMAL.—Importers' quotations are at 45s. per lb. In short supply.

CREAM OF TARTAR.—British makers' rates are unchanged and are as follows: 10-cwt. lots, 201s. per cwt.; 5-cwt., 202s.; 1-cwt., 203s.; 1-cwt., 205s.

CREOSOTE.—B.P. quality, ex beechwood, quoted at from 7s. 6d. per lb. upwards.

CRESOL.—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' premises.

DIAMORPHINE.—Prices per oz. are: ALKALOID, $\frac{1}{2}$ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, $\frac{1}{2}$ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d. per oz.

EPHEDRINE.—Quotations for the ALKALOID are from 12s. 6d. to 13s. per oz., as to quantity. HYDROCHLORIDE is quoted at from 8s. 6d. to 9s. per oz. Supplies limited.

ERGOMETRINE.—Makers' prices per gm. are as follows: BASE, in quantities of 1 gm., £20; 5 gm., £19 5s.; 20 gm., £19. ACID MALEATE, 1 gm., £14 15s.; 5 gm., £14 5s.; 20 gm., £14.

ETHYLMORPHINE.—Current rates per oz., in the home market, are: ALKALOID, $\frac{1}{2}$ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d.; HYDROCHLORIDE, $\frac{1}{2}$ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

EUCALYPTOL.—Quotations for B.P.C. are from 12s. to 13s. per lb., according to quantity.

GLYCERIN, B.P.—Current rates per cwt. are as follows:—

Contracts or spot lot of	Under 1 cwt.	1 cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.
Minimum deliveries off contract of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.
Tins:	s. d.	s. d.	s. d.	s. d.	s. d.
14-lb. ..	156 6	152 0	151 0	148 0	147 0
28-lb. ..	153 6	149 6	148 6	145 6	144 6
56-lb. ..	150 6	147 0	146 0	143 0	142 0
Drums:					
1-cwt. ..	—	136 0	135 0	132 0	131 0
2½-cwt. ..	—	—	133 0	130 0	129 0
5-cwt. ..	—	—	—	129 6	128 6
10-cwt. ..	—	—	—	—	128 0

1 ton and under 5 tons (minimum deliveries off contract of 5 cwt.), 14-lb. tins, 143s.; 28-lb., 140s. 6d.; 56-lb., 138s.; 1-cwt. drums, 127s.; 2½-cwt., 125s.; 5-cwt., 124s. 6d.; 10-cwt., 124s. 5 ton and upwards (minimum deliveries off contract of 10-cwt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; 56-lb., 136s. 6d.; 1-cwt. drums, 125s. 6d.; 2½-cwt., 123s. 6d.; 5-cwt., 123s., 10-cwt., 122s. 6d. Extra charges are levied for smaller deliveries, ex contract, from 6d. to 2s. per cwt., according to quantity. Refined pale straw industrial glycerin is 5s. per cwt. less than chemically pure. Terms: Carriage and delivery paid. A discount of 2½ per cent. is deducted if paid in one month, or on buyers' regular monthly pay day in the month following delivery; afterwards, net. Tins and cases free (not returnable). Drums loaned and invoiced at sellers' current rates and credited in full if returned within four months, carriage forward and in good condition.

METOL.—Current prices (net) per lb. are 17s. 6d. for 28-lb. lots and 16s. 6d. for 1-cwt. lots; other quantities in proportion. Packages free. Contracts: Minimum 5 cwt. over twelve months.

PROCAINE HYDROCHLORIDE.—Current quotations are from 42s. 6d. to 45s. per lb. SALICYLSULPHONIC ACID.—Makers' quotation for this reagent is 15s. per lb.

STILBESTROL.—Quotations for the BASE and DIPROPIONATE are from 2s. 3d. to 2s. 6d. per gm.

Crude Drugs

ALOE.—Cape is quoted at 165s., spot; shipment, 135s., c.i.f. Curaçao in boxes is available from 235s. to 245s., spot; forward, 215s. to 220s., c.i.f. Socotrine, spot, is from 156s. to 190s. per cwt.

BALSAMS.—Steady. *Canada* is quoted at 17s. per lb., spot. *Pará Copaiba*, spot, 8s. per lb. for soluble and 7s. 3d. for insoluble. *Peru*, San Salvador, 6s. 6d. to 6s. 9d. per lb., duty paid. *Tolu*, 19s. per lb., spot.

BELLADONNA.—Herb, B.P. on the spot is quoted at 5s. 6d. per lb. Root (0.51 alkaloids) is offered at 6s. 6d. per lb.

BUCHU.—Short-rounds on the spot are offered from 4s. 3d. to 4s. 4d. per lb.; shipment, 4s., c.i.f.

CALUMBA.—Quiet. Natural unwashed root is quoted at 67s. 6d. per cwt.

CAMPHOR.—Steady and quiet. Chinese tablets (¼-oz.) are quoted at 11s. 6d. to 11s. 9d. per lb.; refined powder (B.P.), 10s. 3d. to 10s. 6d., Formosa (B.B.), 9s. 6d. to 10s.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude 93-95 per cent., 7s. per lb.

CASCARA SAGRADA.—Spot 1947 peel is quoted from 255s. to 260s., duty paid; 1946 peel is offered from 270s., duty paid.

CASCARILLA.—Quills are available from 1s. 8d. and siftings at 1s. 5d. per lb., spot.

CASSIA PODS (*C. fistula*).—East Indian, quoted at 70s. per cwt., ex wharf.

CHAMOMILES.—Belgian are quoted at 12s. to 12s. 6d. per lb., duty paid; Hungarian, spot, quoted at 3s. per lb., duty paid.

CHAULMOOGRA.—*Hydnocarpus*, in tins in cases, is quoted at 1s. 10d. per lb., spot.

CHILLIES.—Mombasa is quoted at 135s. per cwt., spot; Sierra Leone, 140s., nominal; Nigerian, 120s.; Japanese-type, 190s.

CINNAMON.—Steady. 0000 quill is quoted at 3s. 9d., spot; quillings, 1s. 9d.; featherings, 1s. 6d.; chips, 10d. per lb.

CLOVES.—Quiet and steady. Zanzibar, quoted at 10d. spot; Penang at 3s. 6d.

COCOA BUTTER.—Maximum controlled price is 2s. 11d. per lb., delivered.

COLCHICUM.—Steady. Jugo-Slav corms are quoted at 9s. 9d. to 10s. per lb., spot; seeds, 33s. per lb.

COLOCYNTH.—Spot, fine-white is quoted at 1s. 10d.; medium-white at 1s. 9d. per lb.

ELEMI.—A parcel of Manila No. 1 is offered at 2s. 6d. per lb., landed.

ERGOT.—Spot is steady at 4s. 6d. per lb.; for shipment, 3s. 9d. to 4s., c.i.f.

GUM ACACIA.—Steady. Kordofan cleaned sorts, quoted at 72s. 6d. per cwt., London or Liverpool; shipment, 69s. 6d., c.i.f. Bleached No. 1, 145s., ex store. Talha, 42s. 6d. per cwt., spot; 38s. 6d., c.i.f.

GUM MASTIC.—Spot. No. 1 is available at 14s. per lb., duty paid.

HENNA.—Egyptian is easier at 125s. per cwt., ex warehouse; Indian, 125s. per cwt., spot.

IPEACACUANHA.—Nicaraguan on spot is firm at 28s. 6d. to 30s. per lb., according to seller; shipment, 27s., c.i.f. Colombian root, 28s., spot; shipment, 25s., c.i.f.

LIQURICE.—Anatolian natural root, spot, is firm with sellers at 57s. 6d. and buyers at 55s. per cwt.; Syrian root, 50s. to 55s. Turkish juice (block) is offered at 250s. per cwt., duty paid. Turkish stick (2-oz.) is offered at £455 10s. per ton, spot. Italian stick (1-oz. and 2-oz.) is available on the spot at prices from £450 to £535 per ton, according to quantity and brand.

MACE.—West-Indian blade, on the spot, is being sold at 7s. per lb.; pickings, 4s. 6d. to 5s. 6d., according to quality.

MENTHOL.—Brazilian is quoted at 48s. 6d. to 50s., duty paid; Chinese is offered at about 60s. per lb., spot.

MERCURY.—Spot, £16 per flask, ex warehouse; for shipment, £15 8s., c.i.f. U.K.

MYRRH.—Steady and quiet. Aden sorts is quoted at £14 to £15 10s. per cwt.; siftings, £8 to £10 per cwt., spot.

NUTMEGS.—West Indian 80's are quoted at 3s. 3d. per lb.; sound unassorted, 2s. 6d.; wormy and broken, 1s. 10d. East Indian 80's, 4s., spot, quoted.

NUX VOMICA.—Madras is steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochin, 42s. 6d. to 45s., spot, as to seller.

OLIBANUM.—Fair to good drop is quoted from 200s. to 220s. per cwt.; pea size, 220s.; good garblings, 180s.; seeds, 175s.; siftings, 105s.

ORANGE PEEL.—Spot; Spanish quarters are offered at 1s. 3d. to 1s. 6d. per lb.; sweet ribbon is quoted at 1s. 9d.; bitter ribbon, 1s. 3d. in Liverpool.

ORRIS.—Florentine, spot, 185s. to 195s. per cwt., according to quality; Verona is quoted at 75s., spot.

PAPAIN.—East African on the spot is quoted at 31s. to 32s. 6d. per lb., according to holder.

PIMENTO.—Spot, 1s. 2½d. per lb.; afloat, 119s. per cwt., c.i.f.

QUASSIA.—Chips, on the spot, are offered at 40s. per cwt.

QUILLAIA.—Natural bark is quoted at prices from 105s. to 115s. per cwt., spot; cut, for future delivery, 135s. per cwt.

QUINCE SEEDS.—Cape, on the spot, is quoted at 5s. 9d. to 6s. per lb.

RHUBARB.—Spot, Chinese rough-round is quoted from 5s. to 6s. 6d. per lb. for fair to good fracture root; wormy is available at 3s. 6d.; French rhapontica, 1s. 9d. per lb.

SANDARAC.—Spot is quoted at 6s. 1d. per lb.

SARSAPARILLA.—Jamaican native red on the spot is offered at 2s. 6d. per lb.; 2s. 3d., c.i.f.

SEEDS.—Fenugreek has been in fair demand and spot stocks in London and Liverpool have been greatly reduced. **ANISE.**—Cyprus is offered at 1s. 10d. per lb.; Turkish 1s. 9d. per lb., duty paid, spot London Liverpool. **CARAWAY.**—Dutch, on spot, offered at 1s. per lb., duty paid, ex wharf London. **CELERY.**—Indian is now 1s. 3½d. per lb., spot Liverpool. **CORIANDER.**—Market remains firm. No first-hand offers from Morocco are now available; wormy, on spot, offered at 52s. 6d. per cwt., duty paid; Argentine, 55s. per cwt., duty paid in London. **CUMIN.**—Market quiet. Indian offered at 225s. per cwt., spot Hull or Liverpool; Cyprus, 220s. per cwt., spot London. **ELL.**—Indian quoted at 45s. per cwt., spot London, and 43s. per cwt., spot Liverpool. **FENNEL.**—Indian, on spot, is offered at 2s. 6d. per cwt.; a parcel now afloat is offered at 70s. per cwt., c.i.f. Liverpool. **FENUGREEK.**—Indian offered spot Liverpool 45s. per cwt.

SENEGA.—Firm on the spot at 12s. to 15s. 6d. per lb.; shipment, 11s. 6d. to 12s. 9d., c.i.f.

SENNA.—Tinnevely leaves, on the spot, offered as follows: No 1, 10d. to 1s. per lb.; No. 2, 8d. to 9d.; No. 3, 7d. to 8d.; No. 4, 6d. Tinnevely pods, handpicked, 5d. to 1s. 4d.; manufacturing, 5½d. to 6d. Alexandrian pods, handpicked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb. Alexandrian leaves, 1s. 2d. per lb. quoted for f.a.q.

SQUILL.—Italian white is quoted at 65s. per cwt., spot; Italian red, 84s., spot.

STRAMONIUM.—Hungarian, on the spot, offered at 115s. per cwt.

TRAGACANTH.—Selected white ribbon quoted at prices from £128 to £130 per cwt.; other white grades, from £65 to £110. Male leaf is quoted at £36 to £56; amber, from £26 to £36; red, £13 to £18; hoggy, 7 to £11 per cwt.

TURMERIC.—Madras finger is quoted at 107s. 6d. to 110s. per cwt., spot Liverpool or London.

UVÆ URSI.—A parcel is offering at 1s. 1d. per lb., spot.

VALERIAN.—Belgian root is at 180s. to 24s. per cwt., according to holder.

WAXES.—Dar-es-Salaam BEES' is nominal on spot at 385s. per cwt.; Lindi, 375s., nominal. Benguela is offered at 360s., duty paid; shipment, 305s., c.i.f. **CANDELILLA.**—Spot is quoted at 415s. per cwt.; shipment, 385s., c.i.f. **CARNAUBA.**—No offers of atty grey at origin. December-January shipment is quoted 480s., c.i.f.; spot, 525s. per cwt. Prime yellow, spot, 825s. per cwt.; shipment, 800s., c.i.f. **MONTAN.**—Reiback, 390s. per cwt. and Czechoslovak crude, 325s., spot. **OURICURI.**—6 per cent., on the spot, 380s. per cwt.; shipment, 1 per cent., 400s., c.i.f.; 2 per cent., 385s., c.i.f.; 5 per cent., 370s., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. (sweet) is firm at from 10s. 6d. to 12s. 6d. per lb. Bitter oil (s.a.p.) is quoted at 55s per lb.

ANISE.—Spot is firmly held at 6s. 6d. to 7s. per lb. for drums with up to 9s. for smalls; near afloat, 6s. 6d., c.i.f., for drums and 7s., c.i.f., for tins in cases.

CANANGA.—Java oil, spot, is quoted from 35s. to 40s. per lb., 27s. 6d., c.i.f.

CASSIA.—Spot quotations are from 15s. to 16s. 6d. per lb., as to quantity.

CASTOR.—Controlled prices are unchanged: Firsts, £180 per ton; seconds, £176, naked ex works.

CINNAMON.—Ceylon bark oil is offered from 10s. to 12s. 6d. per oz., according to quantity; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 75s. to 85s. per lb. Leaf oil, spot, from 8s. 6d. to 10s. 6d.

CITRONELLA.—Ceylon, spot, is quoted at about 4s. to 7s. per lb., according to quantity; Java, forward, quoted at from 9s., c.i.f.

CLOVE.—Quotations for English-distilled bud oil are from 11s. 6d. to 12s. per lb.

CORIANDER.—English-distilled oil is quoted at 250s. per lb., with little offering.

FENNEL.—Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

GERANIUM.—Bourbon is quoted from 65s. to 70s. per lb., according to quantity and grade.

GINGER.—Prices are quoted from 75s. to 125s. per lb., according to grade.

GUAIACWOOD.—Rather scarce on spot with offers at from 18s. to 20s. per lb.

LAVENDER.—Firm. French is quoted from 35s. to 45s. per lb., according to quantity and grade. Spanish (spike), 10s. 6d. to 12s. per lb., spot.

LIME.—Most holders ask 28s. 6d. to 32s. per lb. for West-Indian oil but there are sellers at 25s.

PALMAROSA.—Scarce on spot with prices steady at 30s. per lb.; shipment is steady at 24s. 6d., c.i.f.

PATCHOULI.—Supplies on the spot are rather low; quotations are from 50s. to 60s. per lb. for Seychelles and 90s. per lb. for Singapore.

PEPPERMINT.—English-distilled "Mitcham," in limited supply, is quoted at 200s. per lb.

RAPESEED.—Controlled price of crude oil is £190 per ton, naked ex works.

ROSEMARY.—Spanish is offered at 8s. to 10s. 6d. per lb., according to quantity.

SANDALWOOD.—Very little English-distilled oil available, prices are from 85s. to 90s. per lb.

THYME.—Red oil (40-42 per cent. phenols), 13s. 6d. to 16s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

TRADE MARKS

(From "The Trade Marks Journal," November 19)

- "SESAME"; for fertilisers, and chemical substances for use in agriculture and horticulture for conditioning the soil (other than weed-killers, insecticides and fungicides) (1). By Robert Robb Grant, Dalcairn, West Calder, Midlothian. B648,692.
- "SILVERDRIVE"; for filtering materials, being raw or partly prepared vegetable and mineral substances (1). By Silverdrive, Ltd., 1A Shepherd's Bush Road, London, W.6. B650,960.
- "CELLAZOTE"; for cellulose acetate included in this Class (1). By Expanded Rubber Co., Ltd., 675 Mitcham Road, Croydon, Surrey. 650,989 (Associated).
- "ACHILLES" and figure of Greek soldier; for natural resins (2); for turpentine for domestic cleaning purposes, and essential oils derived from the pine tree (3). By Langley-Smith & Co., Ltd., 4 Fenchurch Avenue, London, E.C.3. 650,254-55 (Associated).
- Head of woman in circle; for dyes and dyestuffs (none being for laundry or toilet purposes) (2). By Mayborn Products, Ltd., 63 Coleman Street, London, E.C.2. 652,076.
- "PROIL"; for anti-rust oils (2). By Croda, Ltd., Croda Works, Rawcliffe Bridge, Goole, Yorks. 652,138.
- "PRES DU COEUR," and framed portrait of a woman; for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatories, toilet articles (not included in other Classes), sachets for hair waving, soaps and essential oils (3). By Pierre Dune, 49 Rue de Prony, Paris, France. 647,227 (Associated).
- "MINIPAC"; for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatories, toilet articles (not included in other Classes), sachets for hair waving, soaps and essential oils (3). By Don Stuart Momand, 57 Albany Street, London, N.W.1. B648,490.
- "HIGH KEY" in form of musical stave; for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatories, toilet articles (not included in other Classes), sachets for hair waving, and essential oils (3). By George Edward Creamer, 7 Wetherill Road, London, N.10. 650,670.
- "KEMLA"; for bleaching and cleaning preparations for laundry and domestic purposes; non-saponaceous washing and non-medicated toilet preparations and cosmetics (3). By Wilkinson & Scott, Ltd., 58 Nelson Street, Bradford, Yorks. 651,713.
- "GYNOLUTONE"; for pharmaceutical preparations of hormones for use in the treatment of women's ailments (5). By Wallace (Pharmaceutical Products), Ltd., 198 Finchley Road, London, N.W.3. 648,463.
- "NINETTE"; for washing powder for laundry and domestic purposes (3). By Glysan Products, Ltd., 423 Harrow Road, London, W.10. 652,473.
- "MONOCOL"; for emulsifying wax for use in the food, cosmetic and pharmaceutical industries (4). By Chemicals & Essential Oils, Ltd., Astor House, 95 Aldwych, London, W.C.2. 651,227.
- "POPOVER"; for soap powder (3). By Sadler & Co. (Glasgow), Ltd., 144 St. Vincent Street Glasgow, C.2. 652,718.
- "WESSCOL"; for disinfectants, and preparation for destroying vermin (5). By Wortley Essenc Co., Ltd., Toll-bar Farm, Vaughton Hill, Deep car, nr. Sheffield. 647,786 (Associated).
- "WEEDONE"; for weed-killers (5). By America Chemical Paint Co., Brookside Avenue, Ambler Pennsylvania, U.S.A. B649,724.
- "TELIC"; for insecticides and fumigating preparations (not being perfumes or for food) (5). By Wirral Fumigating Co., 11 Birch Avenue Upton, nr. Birkhead, Chester. 650,462.
- "TARTAN" on label device (letters "B.P." and the device of a tartan background disclaimed separately or together); for pharmaceutical preparations of cod liver oil and malt extract (5). By Allied Drug & Chemical Co., 1 Robert Street, Hampstead Road, London, N.W.1. 649,353.
- "CELIN"; for all goods, except antiseptics and disinfectants (5). By Glaxo Laboratories, Ltd. 891-995 Greenford Road, Greenford, Middlesex 650,473 (Associated).
- "TENTASPRAY" and "TENTADUST"; for insecticides, fungicides, preparations for killing weed and destroying vermin, and disinfectants (5). By T.H.R., Ltd., 147 Grosvenor Road, Westminster, London, S.W.1. 650,484-85 (Associated).
- "IRGACIN"; for pharmaceutical substances for human and veterinary use; sanitary substances medical and surgical plasters, material prepared for bandaging; disinfectants and antiseptics (5). By J. R. Geigy Aktien-Gesellschaft, 215 Schwarzwaldallee, Basle, 16, Switzerland. 650,987 (Associated).
- "ERKON"; for pharmaceutical preparations of vitamin D (5). By Nutrition Research Laboratories, 4201 Peterson Avenue, Chicago, Illinois, U.S.A. 651,551 (Associated).
- "BELTER" and humorous drawing; for pharmaceutical preparations and substances (5). By Paddington Pharmaceuticals, 9-11 Paddington, Liverpool, 7. 651,607.
- "ANTHISAN"; for all goods (5). By May & Baker, Ltd., Dagenham, Essex. 651,638.
- "TRANQUILLIN"; for sedative tablets (5). By Ashley & Weeks, Ltd., 165 & 245 Mitcham Road, Tooting, London, S.W.17. 652,202.
- "MYOSTATINE," "NUTRAGEST" and "PROTOGEST"; for all goods (5). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 652,426, 652,795-96.
- "LIPALENE"; for medicated ointments for treatment of cold sores (5). By Vermex Chemical Co., Ltd., 20 Queen Street, Blackpool, Lancs. 652,509.
- "SOLUTIONAL"; for pharmaceutical preparations and substances (5). By H. Lundbeck & Co., Ottilavej 7, Copenhagen, Denmark. 652,780.
- "MONOVOX"; for electro-medical acoustic apparatus, apparatus for detecting deafness, and parts included in this Class of all such goods (10). By Amplivox, Ltd., 2 Bentinck Street, Manchester Square, London, W.1. 651,454.



B.D.H. *Blue Triangle* SERIES

GLYCERIN OF THYMOL is only one of the B.D.H. 'Blue Triangle' series of packed pharmaceutical products.

This series gives the private pharmacist a range of more than thirty 'key preparations'—everyday essentials, mainstays of his trade—which he can sell with confidence and credit.

The high standard and finish of the

'Blue Triangle' series of pharmaceutical products has been maintained unwaveringly since the inception of the range many years ago.

Every package carries the name 'B.D.H.' as guarantee of purity and quality, with the pharmacist's name and address printed on a separate back label.

The Greatest of All Tonics-

WITH A WORLD-WIDE REPUTATION

The familiar Phosferine pack has won for itself an enviable world-wide goodwill. It has only to be shown to be sold. And the sales of Phosferine prove how adequately "The Greatest of all Tonics" lives up to its claims. Make the most of the wonderful popularity of Phosferine by ensuring that your stocks are adequate to meet the demand.

PHOSFERINE

TABLETS and LIQUID

The Registered Trade Mark
"Phosferine" is the property of
PHOSFERINE (ASHTON
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Retail Prices:

1/6 and 3/8 including Purchase Tax

Sole Distributing Agents in the United Kingdom:

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THE ORIGINAL

CHEWING GUM LAXATIVE

Back again!

Feen-a-mint, the famous original chewing gum laxative, which your customers still prefer, is back again! For the time being, only the 7½d. size (including purchase tax) is available. On P.A.T.A. Order today, from your usual wholesaler.

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GALENICALS,
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REAGENTS

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THE ETHYL AND PROPYL ESTERS
OF SALICYL GLYCOLLIC ACID

Prescribed and recommended
by members of the Medical
Profession in the treatment
of **SCIATICA**
RHEUMATISM
and **LUMBAGO**



JOHNSON and SONS
Manufacturing Chemists, Ltd.
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SECOND TO NONE Malt Extract Tablets

Sustaining sweet that dissolves in
the mouth. Supplied in counter
display boxes
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ALUMINIUM COMPOUNDS for PHARMACEUTICALS



With over one hundred years' experience in the manufacture of heavy chemicals, SPENCE have recently developed a number of aluminium compounds for pharmaceuticals.

Further details will be sent on request.

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PRICES**

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**CUPAL MARGINS
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CUPAL LTD.,

**MANUFACTURING
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GUARANTEED B.P. QUALITY

Mag. Carb. Levis. Mag. Carb. Pond.
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FRYER & CO. (Nelson) Ltd., NELSON, LANCs.

**.. MANOIDS ..
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THE ACTON PILL & TABLET Co. Ltd.
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We are constantly striving to increase our output and to improve our deliveries. Meanwhile, we assure our customers that we are maintaining strictly fair distribution.

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PRICE INCREASES

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LUMA (Anti-Rheumatic Compound)

SMALL size 1/8d. inc. P.T.

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Cartons of 2—6½d. inc. P.T.

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*Ask for the new LUMA and
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THE "MATER"

CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 00.4.

**ALL TYPES OF
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PERKEN, SON & CO. LTD.
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one of
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APPROVED
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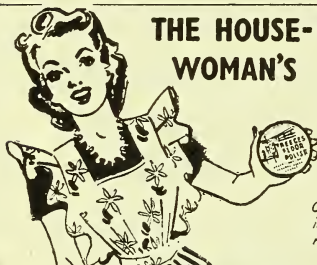
Supplies available immediately. Order from usual wholesaler. Sells at 1/3 per large screw-top tin (25% retail profit) High quality product backed by national advertising, free sales literature, full colour showcards, display matter etc.

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Once used it sells
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All Leading Wholesalers Stock it

TREECE POLISH Co. Ltd., NOTTINGHAM

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the manufacture
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40 years of Specialised
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assure you of

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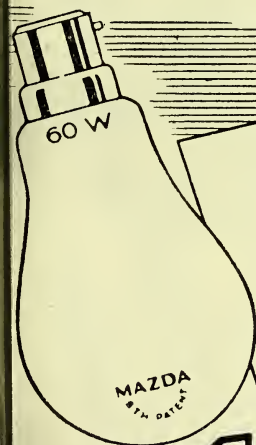
PACKED TABLETS, with Chemist's Own Name Labels if desired, supplied in 2 sizes 25's and 100's (with a few exceptions packed in 50's only).

BULK TABLETS, including NF and NWF lines, supplied in convenient quantities from 100 upwards.

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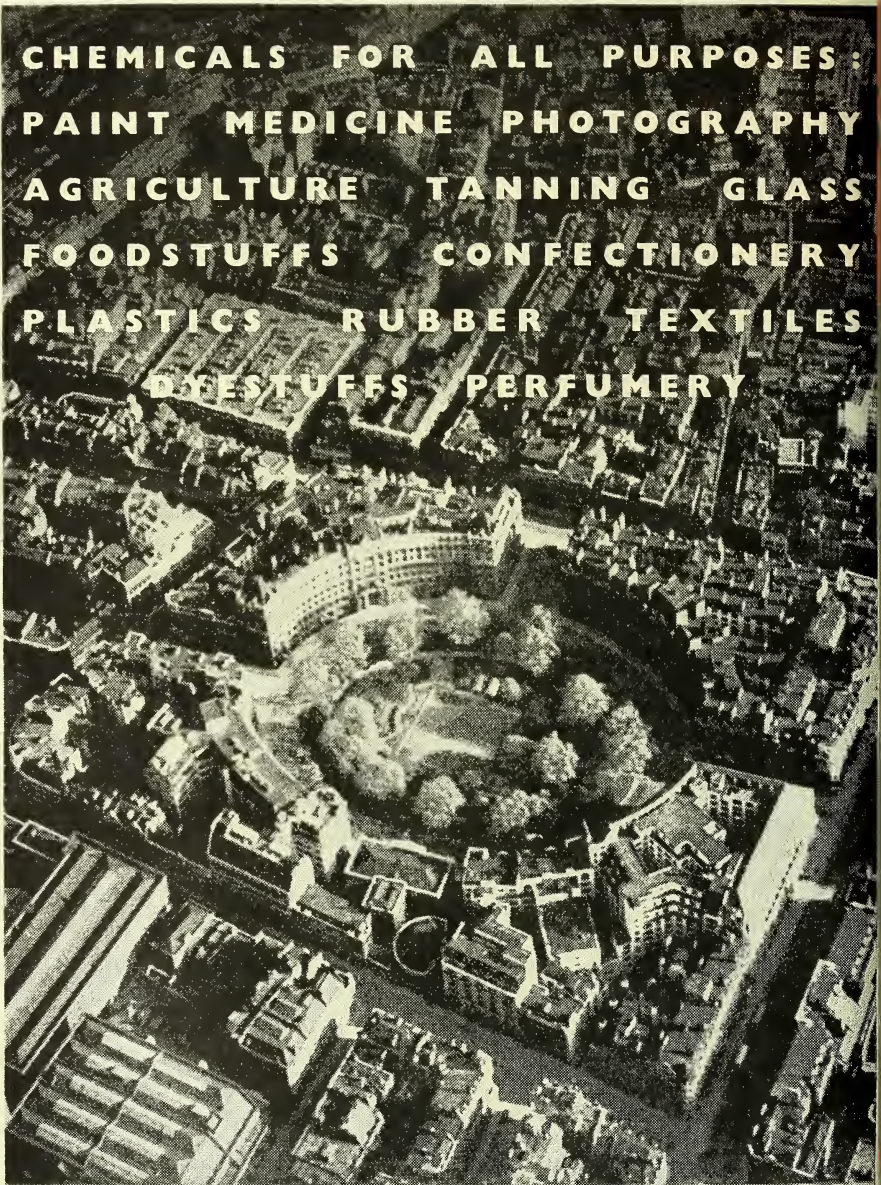
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If you would like to know how your lighting arrangements can be made more efficient, a BTH Lighting Expert will be glad to advise you. Please write to BTH Lighting Advisory Service, Bridle Path, Watford.

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Retails at
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The choice of

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- ★ Six fascinating shades.
 - ★ Velvet smooth texture.
 - ★ Indelible - stays fresh & fragrant all day.
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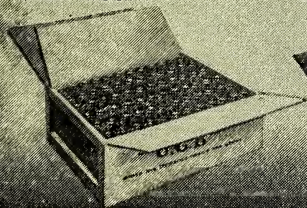
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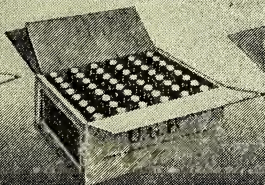
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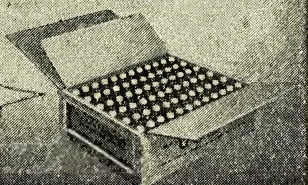
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**FITTED KORKALITE
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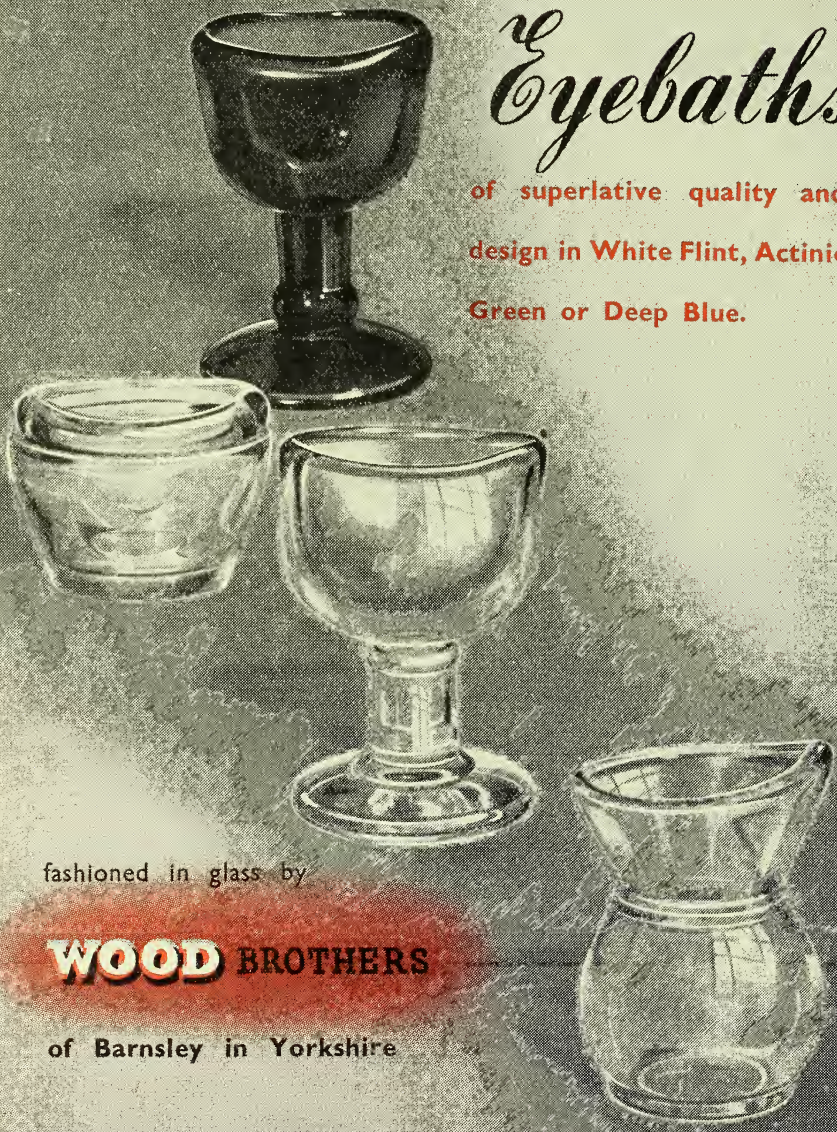


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**UNITED GLASS BOTTLE
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Tel.: GERRARD 8611 (15 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON



Eyebaths

of superlative quality and
design in White Flint, Actinic
Green or Deep Blue.

fashioned in glass by

WOOD BROTHERS

of Barnsley in Yorkshire

Makers of fine glassware since the year 1828

A companion size to 'GENATOSAN' MENTHOL & WINTERGREEN CREAM

for speedy, effective relief of RHEUMATIC and other
MUSCULAR PAINS and UNBROKEN CHILBLAINS



This new product is rapidly increasing in popularity and we are happy to announce that we now find it possible to meet the demand for the 2-oz jar.

RETAIL PRICE

2-oz jar 2/3d. ... plus 6d. tax
1-oz tube 1/6d. ... plus 4d. tax

TRADE PRICE

2-oz jar 18/- per doz. plus 6/- tax
1-oz tube 12/- per doz. plus 4/- tax

3½% profit on all Genatosan Dermatological Creams plus extra 10% display discount on £5 orders

ORDER NOW

GENATOSAN LTD., LOUGHBOROUGH, LEICESTERSHIRE

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BLAKEY'S MALTED OATMEAL

ALTERATION in PRICE

The Manufacturers much regret to announce that as a consequence of the greatly increased costs of raw materials, packaging, carriage etc., it has become necessary to advance the prices of the premier Infant and Invalid Food

BLAKEY'S MALTED OATMEAL

to 11d. per packet and 2/- per tin.

These new prices come into force on the

5th, December 1947.

The Trade Prices show a substantial rate of Profit to the Chemist.

**BLAKEY'S FOOD CO. LTD.,
LINCOLN**

SUNRAY (REGD)

MALT WINE PRODUCTS

A quick selling and profitable
line for Wine Licence Holders.

	Fixed Max. Price
GINGER WINE .	12/6
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SWEET & DRY WINE . . .	10/6
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MORELLO COCKTAIL . . .	14/6
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Trade enquiries to
RICHARD DAVIS LTD.
49, Old Bond Street, London, W.1.
Est. 1864

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CARR'S VITAMIN B₁

PREPARED WHEAT GERM

A RICH SOURCE OF VITAMIN B

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS

3/- per large (14 oz.) packet

TRADE:

27/- doz. Case of 2 doz. 54/-

Net Delivered Case 3/- returnable

**IN VERY SHORT SUPPLY
AND ON QUOTA**

CARR'S FLOUR MILLS Ltd., CARLISLE

THE RETURN OF BRANDED SOFT DRINKS

From the beginning of next February, manufacturers of soft drinks will be permitted to put their own brand labels on their bottles. There are bound to remain with retailers certain stocks of soft drinks labelled S.D.I., and it will not be possible for manufacturers to accept these in exchange for their own branded goods. To help the retailer to clear these stocks, advertisements are being published in the press throughout Gt. Britain during February to inform the public of the position.

Issued by
The Soft Drinks Industry (War Time) Association Ltd.
42 Upper Grosvenor Street, London, W.1

INCREASED PURCHASE TAX

In view of the recent increase in Purchase Tax, the following

NEW PRICES

will in future be in operation for these products.



Cystex
for KIDNEYS
RHEUMATISM
BACKACHE

Size	Retail Price per unit	Trade Price per dozen	Purchase Tax per dozen
1/3	1/7	11/3	3/9
3/-	3/9	27/-	9/-
6/-	7/6	54/-	18/-



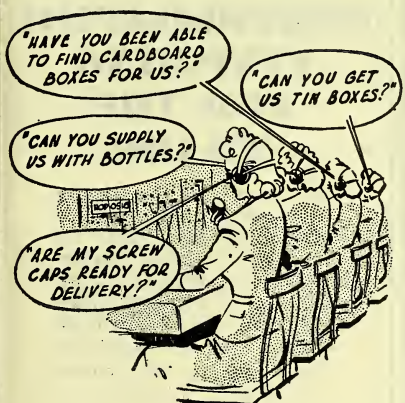
Mendaco
for ASTHMA
BRONCHITIS
HAY FEVER

Size	Retail Price per unit	Trade Price per dozen	Purchase Tax per dozen
2/-	2/6	18/-	6/-
5/-	6/3	45/-	15/-
10/-	12/6	90/-	30/-

KNOX LABORATORIES LTD.

29 DUKE STREET, ST. JAMES'S, LONDON, S.W.1

Phone: REGent 4562



YES! They all come to Percenta because we specialise in packaging containers of every type for the chemical, pharmaceutical, cosmetic and domestic trades. We are in constant touch with well over 100 factories throughout the world and consequently know where to lay our hands on any particular line that you may require. This is why twice as many people as in 1945 came to us for containers in 1946 and more than ever are coming in 1947.

Ampoules, bottles, cardboard boxes, jars, glass tubes, lever lid tins, lipstick holders, metal screw caps, plastic containers and caps, powder boxes, paint and polish tins, perfume bottles, soap boxes, tablet tins.



(PERCENTA LTD.)

PERCENTA HOUSE, 130/2 TOOLEY STREET, LONDON, S.E.1

'Phone: HOP 0516 (6 lines)

If you have not received our Leaflet 51, showing some of the wide range of metal containers always available, we shall be happy to send one on application.

PLANNED PARENTHOOD



1. Spermicidally efficient and clean in application.
2. Non-irritant and harmless to health.
3. Does not upset the vaginal pH value.
4. Free from fatty substances.
5. Keeps perfectly in tropical climates.
6. Prescribed extensively by the Medical Profession.

GYNOMIN

*The Scientifically balanced
antiseptic and deodorant contraceptive.*

3 1/6
PER TABLET
OF 12 TABLETS

KEEP ADEQUATE STOCKS
OBTAINABLE THROUGH YOUR WHOLESALER
ETHICAL LITERATURE AND DISPLAY MATERIAL

OUR PUBLICITY
WILL BRING NEW
CUSTOMERS TO
YOUR PHARMACY

COATES & COOPER LTD., NORTHWOOD, MIDDLESEX, ENGLAND

SALES STILL RISING

Results Convincing and
the Good News Spreading

H.B.T. Chlorophyll and Yeast Tablets

for

Rejuvenation and Vital Energy

They contain no drugs, a safe and
sure recommendation for your clients.

3/4 & 6/8 Incl. Pur. Tax.

Through any Wholesaler or direct from

HUNTER BEATTIE PRODUCTS LTD.

Glasgow S.E.

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We are now in the position
to handle all kinds of photo-
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ing, printing, enlarging, copy-
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industrial photography in the
Oxford and London districts.

Your enquiry will receive
prompt attention.

WILL R. ROSE LTD.

Oxford Works
20 St. Ebbs Street
OXFORD

THE CHAS. H. PHILLIPS CHEMICAL CO., LTD.

REVISED PRICES

Effective from November 13th, 1947.

	Retail Price Each Including Tax	Wholesale Price Per doz. Tax Extra
<i>Medicinal Preparations (Tax 33$\frac{1}{3}$%)</i>		
* <i>" Milk of Magnesia "</i>	1/7	11/3
" " "	3/2	22/6
* <i>" Milk of Magnesia ' Tablets</i>	1/3	9/-
" " " "	2/6	18/-
* <i>" Mil-Par ' Antacid Lubricant</i>	2/10	20/5
" " "	4/9	34/3
* <i>" California Syrup of Figs "</i>	1/6	10/8
" " " "	2/10	19/9
<i>Toilet Articles (Tax 50%)</i>		
* <i>Phillips' Dental Magnesia</i>	1/6	9/7
" " "	2/6	16/6
<i>Cosmetics, etc. (Tax 125%)</i>		
<i>Phillips' Magnesia Texture Cream</i>	1/-	4/5
" " " "	3/-	14/-
<i>Phillips' Magnesia Cleansing Cream</i>	1/-	4/5
" " " "	3/-	14/-
* <i>" Danderine "</i>	2/6	12/-
"	5/-	24/-

The Quantity Terms granted in consideration of fourteen days' window or counter display continue on the existing basis.

Rubber SHEETING

In Eight Different Qualities

A reliable range of double-faced rubber sheeting, 36" wide, in red and white.

Prices of the eight different qualities available are from 4/4 per sq. yard to 6/9 per sq. yard for red Super sheeting.

PRICES			
WHITE		RED	
No.	Sq. yd.	No.	Sq. yd.
W1	4/4	R1	4/6
W2	4/10	R2	6/-
W3	5/1	R3	6/6
W4	6/4	R4	6/9
Plus 50% Purchase Tax			
Jaconet B.P.C. 44 in. wide . . . 3/- yd.			

MACDONALD & SON LTD
DAWSON STREET, SALFORD, MANCHESTER 3



The Safe Blanket —
thermostat controlled,
fabric woven from glass,
— fireproof, shockproof
Delightful in appearance

See your Wholesaler

ELECTRO-MEDICAL BLANKET CO. LTD.
MANCHESTER

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Wholesale only

Enquiries are invited for any of the following manufactures—

Cotton Wools
Boric Acid Wool
Grey Wool
Gauze and Cotton Tissue
Absorbent Gauze
Boric Acid Gauze
Iodoform Gauze
Mercury and Zinc Cyanide Gauze
Picric Gauze
Ribbon Gauzes
Absorbent Lint
Boric Lint
Picric Lint
W.O.W. Bandages
Crepe Bandages
Domettes
Flannel
Muslin
Triangular Bandages

Fast Edge Bandages
Standard Dressings
Merchant Ships Dressings
Neck Wools
Bacteriological Wools
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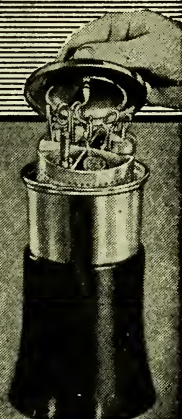


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SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: "GREAT MOOR 3006" Grams: "UNDISPUTED" STOCKPORT



- ★ Electric and Non-Electric Sterilizers.
- ★ Hypodermic and Serum Syringes.
- ★ Spirit Proof Plastic Syringe Cases.

Obtainable through all Dealers and Retailers
Write for Descriptive Leaflets



'Surqualet'
the most modern
Electric Sterilizer

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Surgical Appliances

Particulars of Elastic Hosiery and of other appliances from the extensive and comprehensive range made by Hewards will be gladly forwarded on receipt of a postcard.

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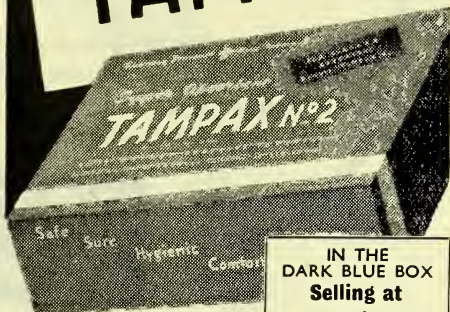


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CROWN ROAD WORKS
TWICKENHAM

Phone: 220/4
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Grams:
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A NEW
extra absorbent
TAMPAX



IN THE
DARK BLUE BOX
Selling at

2/-

per packet of 10
TRADE: 18/- DOZ.

**introduced
by express
desire of women
themselves...**

Super absorbent
TAMPAX No. 2
40% more absorbent

means extra sales for you because it makes available the benefits of Tampax to yet thousands more women. Display it alongside the ever-popular Regular Tampax No. 1, both in your window and on your counter. The two absorbency-sizes of Tampax now cater for all requirements.



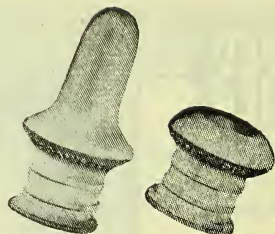
**A NEW line to make
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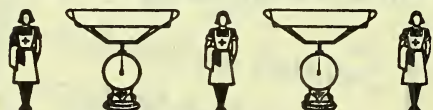
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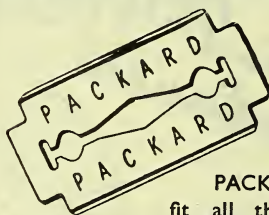
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She expects it to perform make-up magic—to hold powder smoothly, lastingly, and to make her prettier right this minute. But she also expects it to care for her skin—to improve its texture, make it smoother, help it to resist wrinkling. SKIN DEEP does both of these things.

Made from Atkinsons newest formula for the day and night care of the skin, SKIN DEEP

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ATKINSONS *Skin Deep*

BEAUTY CREAM

FOR DAY AND NIGHT USE

All Skin Deep

*advertisements appearing
in the big-circulation
magazines and journals
feature the phrase
"does the skin good."
And it's true.*



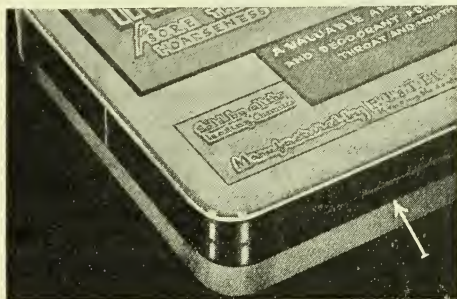
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BOTTLES

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JARS

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★ 1 dram, 2 dram and 4 dram PERFUME BOTTLES ★ 3 dram NAIL VARNISH BOTTLES
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★ 42 m.m. ALUMINIUM CONTAINERS, Blue and Pink Enamelled; Screw on Lids ★ 40 m.m. ALUMINIUM CONTAINERS, complete with godets (for Block Rouge) MASCARA BRUSHES
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If you require any of the above, kindly let us have your enquiries by return, stating quantities wanted, and we will send you samples, prices and full particulars. We shall also be glad if you will indicate to us your requirements of any other kinds of Bottles and Jars, etc.

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The following REED & CARNRICK preparations are again available to the Trade:—

AMPACOIDS	Ovary, Prostatic, Testis Boxes	1 cc. amp. (6)
ANALEPTINE	Bottles	16 oz.
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Order through your Wholesaler
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In view of the increase in Purchase Tax the following

NEW PRICES

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PRODUCT		RETAIL Incl. P.T. Each	TRADE Doz.	PURCHASE TAX Doz.
MENOPAX	25 tablets	3/1½	22/6	7/6
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tubes	23 grms.	5/5	39/-	13/-
MENOVO				
<i>Spastic Dysmenorrhœa</i>	12 tablets	2/6	18/-	6/-
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Best terms and particulars of profitable bonus parcels
combining all C.P.L. Preparations are available from

Sole Distributors:

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Smalls available through your usual wholesaler.

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Chandré BEAUTY PREPARATIONS

These old-established high grade cosmetics are again available and take their place with the exclusive Chandré Powder Puffs well known for beauty and quality.

BEAUTY CAKE (4 SHADES)
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Private formulae Pills and Tablets carefully and accurately prepared at lowest possible prices.

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Telephone : Canonbury 3466
ESTABLISHED 1768

WE SPECIALIZE IN
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GALLIC ACID-PYROGALLIC ACID

PURE & TECHNICAL

RESUBLIMED, PURE CRYSTAL & TECHNICAL

WHOLESALE & EXPORT ONLY. Enquiries Invited

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- ★ HYDROGEN PEROXIDE 10 AND 20 VOLS.
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- ★ COMPOUND SYRUP OF FIGS
- ★ FEEDING BOTTLES
- ★ LYSOL

All enquiries will receive our prompt attention.

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Established 1660

Horseshoe Lane, Enfield, Middlesex

Telephone: Enfield 4747 (10 lines) Telegrams: Vinaigrette, Enfield



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WEEKLY VAN DELIVERIES COVER
THE WEST OF ENGLAND.

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PROPRIETARY MEDICINES,
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Prescriptions for Penicillin prepared under our T.S.A. Licence can be delivered within a
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We specialize in the manufacture of
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8—HYDROXYQUINOLINE

Including

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AUBURN HENNA, 2-oz. 24/- doz. Plus 100%
P. Tax. Retail Price 5/- each ● Also **GLAMOUR
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Supplies of this New, Palatable and convenient form of Aspirin—with the lemon flavour—are immediately available. Extensive Advertising supports you and attractive display material sent upon request.

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May we quote you for—
GLAUBER SALTS B.P.

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Needle Crystals, Medium, Exsiccated

All grades conform to the 1932 B.P. Standard

Special Crystals matched and any degree of exsiccation to order.

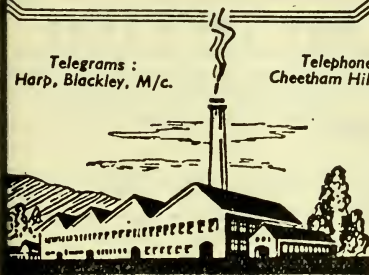
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Our Specialities include the Original Record Fitting and
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BOTTLES FOR EARLY DELIVERY

New Bottles of all types available for early delivery. Sizes ½ oz. to 8 ozs. Medicals and Toilets. Send full details of your requirements, stating sizes and quantities to Box 164/542, C. & D. Office.

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Cutting to widths extra as shown.

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155' x 9" PAN or SUPER XX	£11 5 0	15/- extra
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HARMAN DIETETIC LABORATORIES, LTD.,
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PERFUMERY and FANCY TOILET BOTTLES.

Medical Flats, Panels, Ribbed ovals, Poisons, Rounds. Clear, amber and opal jars, Pomade and Squat. Metal and Plastic Caps; Talc Tins.

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Please send your enquiries for
POWDER FILLING
of all types, the latest machines used.

2/196.

C & D Office.

Advertisers offer for sale White Bulk Stearine; White Odourless Oil; Split Palm Kernel Oil Fatty Acid; Distilled Palm Kernel Oil Fatty Acid; Split Groundnut Fatty Acid; Interested buyers write Box 2/296.

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Importers of all types of Bottles and Jars. Immediate deliveries. Ask for Catalogue.

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JOINTED TEDDY BEARS ... 12/6 each
JOINTED DRESSED DOLLS ... 17/6 "
both incl. Tax. sent C.O.D.

BEAUTIFUL DANCING MONKEYS

Hard bodies fur covered ... 36/- doz.
Plus 33½ tax. Money back if not satisfied

INMANS, ROUNDHAY TERRACE, LEEDS, 7



The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every Copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

DECEMBER 13

{1947

CLASSIFIED ADVERTISEMENT TARIFF

BUSINESSES for DISPOSAL, BUSINESSES and AGENCIES WANTED, GOODS for SALE (value £5-£50), PARTNERSHIPS, PATENTS, PREMISES to LET, for SALE or WANTED, SITUATIONS OPEN	8/6 for 36 words or less, 3d. for each additional word.
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SITUATIONS WANTED	3/- for 18 words or less, 1d. for each additional word.

BOX OFFICE NUMBERS, 2/- extra (except Situations Wanted, which is 1/-).

All advertisements must be prepaid.

Advertisements can be accepted up to **FIRST POST WEDNESDAY MORNING** of week of issue.

Later advertisements will be included in next available issue.

In view of existing paper shortage advertisements should be sent as early as possible accompanied by remittance to

THE CHEMIST AND DRUGGIST, 28 ESSEX STREET, STRAND, LONDON, W.C.2.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagement Order, 1947.

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QUALIFIED ASSISTANT required, male or female. No N.H.I. No Sunday or holiday duties. Accommodation can be arranged if desired. Please state usual particulars. Early Bunn, Ltd., Chemists, 95 High St., Chelmsford, Essex.

UNQUALIFIED experienced assistant, good dow dresser; permanency to right person; quick national Health dispenser, help already available; for post vacant; male or female; age 20 to 30. Sunday duty. Box 2/297.

ASSISTANT WANTED, male. A newly qualified old find varied and valuable experience in this line. Please apply with the usual particulars Strode Cosh & Penfold, Ltd., Lower Union St., Bristol.

APPLICATIONS are solicited from qualified and unqualified staff for a several months contract in the London area for relief duties with small multiple dispensation. Excellent rates of pay plus expenses. Applications in first instance to Box 2/382.

OFFORD. Pharmacist, lady or gentleman, wanted. congenial post, good wages, reasonable hours; no accommodation. Good family type business. Taylor, Brown & Flood, Ltd., 71 High St., Bedford.

CHEMISTS' assistants (ladies) wanted for clerical work in the N.H.I. checking bureau and stock-taking departments. Apply National Pharmaceutical Union, 4-5 Queen Square, W.C.1.

CHEMIST would like to hear of student experienced in dispensing to assist daily from four to six-thirty, and/or whole day Saturday. Apply "A" Box 2/300.

DEAL. Assistant required for dispensing; lady or gentleman; qualified preferred, but not essential. Short hours, no extra duties. Permanency and good salary. Flat available. State age, experience, and give references. A. R. Waterhouse, 4 Victoria Rd., Deal.

GILLINGHAM Co-op Chemists, Ltd., require the services of a qualified assistant for busy central pharmacy. Good conditions. Excellent prospects. Superannuation, etc. All usual details to Chief Executive Officer, 142 High St., Gillingham, Kent.

GOOD-CLASS WEST END PHARMACY requires lady pharmacist as manageress, short hours, Saturday half-day, congenial post. Apply Box 2/370.

KENT, Folkestone. Dispenser, qualified or unqualified (either sex) required for busy high-class pharmacy. Permanency for right person. State experience and salary required. F. G. Curtis & Son, 94 Sandgate Rd., Folkestone, Kent.

LONDON. Qualified assistant, or one qualifying shortly, for busy dispensing pharmacy. Excellent opportunity to gain all-round experience. No extra duties, other advantages. Good salary offered to suitable applicant, either sex. Coutts, Michie, 175 Kentish Town Rd., N.W.1. Phone Gulliver 1650.

LONDON CO-OPERATIVE CHEMISTS, LTD., have several attractive and congenial vacancies for branch manager pharmacists. Applications, in first instance, to Superintendent Chemist, 54 Maryland Street, Stratford, E.15.

LONDON, S.E.1. Assistant, male or female, for N.H.I. dispensing in busy working-class business for about six months. Good remuneration. Please state when available and salary required, Kembles Chemists, 69 Blackfriars Rd.

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FIRST-CLASS SALESMEN ONLY

AREAS :

- (1) Counties of Middlesex, Hertford and Essex, including London inner and suburban areas north of the River Thames.
- (2) Counties of Surrey, Sussex, and Kent, including London inner and outer suburbs south of the River Thames.
- (3) Counties of Lincoln, Nottingham, Derby, Leicester, Northampton, Oxford, Bucks, Beds, Huntingdon, Cambridge, Suffolk and Norfolk.
- (4) Gloucester, Wilts, Berks, Hampshire and West Country.
- (5) Wales and English Border Counties, including Warwickshire, Worcestershire, and Staffs.
- (6) Yorks, Lancs, Cumberland, Westmorland, Northumberland and Durham.

FIRST CLASS representatives required for the above areas. Age 30-45, qualified or unqualified.

Applicants must meet the following requirements :

Actual experience over a number of years representing a chemist supply House of repute on these particular territories.

Must be experienced car drivers.

Must reside permanently in centre of territory.

Must have highest credentials.

Representatives are required as part of a specialist sales force to sell ten Nationally advertised quality lines in a range comprising:—

TOOTHBRUSHES, MOTH REPELLENT, MEDICINAL TABLETS, and a CLASS COSMETIC ITEM.

TERMS :

Excellent salary, good commission, reasonable expenses. Car supplied (subject to delay).

Employment with firm of repute in the chemists' sundries business.

Representatives will call on every qualified chemist and every departmental store on the area in question.

Applications must be made in writing, enclosing photo or snap, with full particulars of experience, which will be treated in strict confidence.

Only first-class men with the required qualifications should apply.

Applications should be addressed to :

SALES DIRECTOR, BOX NO. 2/363

The Chemist and Druggist, 28 Essex Street, Strand, London, W.C.2

MIDDLESBROUGH Co-operative Society, Ltd., requires pharmacist (either sex), permanent, progressive position. Superannuation scheme. Living accommodation available. Applications to General Manager, Emporium, Middlesbrough.

BRIDGE & COMPANY Employment Agency, 184 and, W.C.2. Temple Bar 9212/3. Branches at Southampton and Birmingham. Enquiries invited from pharmacists and unqualified persons requiring positions. Many attractive vacancies available. Excellent opportunities existing in progressive pharmacies. Locum provided for. No charge to employees except registration fee. Apply to 184 and, W.C.2, in first instance.

QUALIFIED lady assistant required for rural pharmacy in Sussex. Young or middle-aged, able and willing to take responsibility. Congenial atmosphere, long hours, light work, almost no holiday, Sunday, half-day duties. Permanency. Living accommodation for one lady available. Apply Box 2/265.

QUALIFIED MANAGER for branch shop. Lady or gentleman. Good opportunities. Mercer's, Ltd., 265 Higham Rd., Rochdale, Lancs.

QUALIFIED manager required for busy pharmacy; excellent opportunity for keen pharmacist; good progressive salary; large staff. Please give full details experience, to Macarthy's, Ltd., Market Place, Warrington.

QUALIFIED PHARMACIST wanted as assistant for branch shop; superannuated. Permanent, progressive position. 43-hour week. Newly decorated house available at early date. Applications, giving full particulars, not later than December 29, to General Manager, York Co-operative Society, Ltd., 22 Railway St., York.

E. BRIGHTSIDE & Carbrook Co-operative Chemists, Ltd., have vacancies for branch pharmacists. Permanent, progressive positions, good conditions of salary. Superannuation scheme (with transfer value) in operation, and living accommodation available. Apply to the Superintendent Chemist at Registered Office, 32 Sycamore St., Sheffield, 1.

TYDESLEY & DIST. IND. CO-OPERATIVE SOCIETY, Ltd., 240 Elliott Street, Tyldesley. Qualified chemist or optician required as superintendent for new pharmacy to be opened in the near future. This is a permanent position with excellent opportunities and advantages. Written applications to be forwarded to the office of the above Society, giving details of experience, together with copies of two recent testimonials, not later than Saturday, January 3, 1948.

AGENT. Qualified lady or gentleman, chiefly for dispensing. Directorship and good permanency to suit person. A splendid opportunity. Write or call, Franks (Birmingham), Ltd., 394 Lodge Rd., Birmingham, 18.

QUALIFIED assistant, experienced dispensing and counter. London Central. Progressive permanency. Write, 146 Holborn, E.C.1.

WE HAVE several lucrative and interesting branch managerships available for pharmacists, both men and women. Accommodation available. Applications, in first instance, to Box 2/383.

YOUNG QUALIFIED assistant required for good-sized general business at seaside. Give full particulars in first letter, to Sadler, Park St., Minehead, Somerset.

YOUNG QUALIFIED ASSISTANT wanted. Lady or gentleman. Well versed in modern dispensing methods. Established pharmacy, Manchester district. Good wages and conditions. Box 2/369.

QUALIFIED CHEMIST required for Malaya; age 21-27; preferably newly qualified and unmarried; commencing salary £500-£700 per annum, plus cost-of-living allowance; passage and accommodation provided. Apply Borneo Company, Ltd., 143-9 Fenchurch St., E.C.3. Tel. Mansion House 1051.

WHOLESALE

ACTIVE REPRESENTATIVES required in all counties excluding Scotland, Lancashire, Yorkshire and Cheshire, to carry proprietary sanitary towels on commission basis. Only those representatives with live connections amongst Co-ops. and departmental stores need apply. All particulars to the Managing Director. Box 2/373.

ALLEN & HANBURY'S, LTD., Ware, Herts, require qualified chemists and pharmacists for their research and control laboratories. Apply in the first instance to the Personnel Manager.

AN ESTABLISHED COMPANY marketing nationally advertised products of high repute require experienced representatives with established connections amongst wholesale and retail chemists, ladies' hairdressers and hairdressers' sundriesmen. Salary, commission and expenses. Permanent and progressive appointment. Write stating age, area covered, details of past experience, whether car owner, salary required, to Box 2/371.

AN EXCELLENT OPPORTUNITY occurs for a well-introduced salesman to represent well-known C.F. manufacturers in Yorkshire. A large number of accounts exist and will be handed over. Remuneration by salary, commission and expenses. Car essential. Applications with fullest details of past experience, age, etc., will be treated in strictest confidence. Halstead, Woodward & Co., Ltd., Lutterworth Rd., Burbage, Hinckley, Leics.

BURROUGHS WELLCOME & CO., have vacancies for pharmacists in their development laboratories at Dartford. Applicants must be experienced in the formulation of pharmaceutical preparations and in the development of manufacturing methods. Salaries according to qualifications and experience. Applications to be addressed to the Development Manager, Wellcome Chemical Works, Dartford.

DRUG counter hands (male), with wet or dry experience, capable of unsupervised packing of poison substances, required by well-known firm of manufacturing chemists in the East London area. Five-day week. Staff canteen. Only persons not normally employed in coalmining or agriculture may apply. This advertisement is inserted by permission of the Ministry of Labour & National Service under the Control of Engagement Order. Apply Box 2/343.

ESTABLISHED manufacturer of high-class cosmetics requires processor (male or female). N.W. London area. Five-day week. Reply, giving details of age, experience and salary required, to Box 2/387.

EXPERIENCED representatives or agents with good connection with retail pharmacists required by manufacturing chemists to carry an additional line on generous commission terms. Box 2/341.

FIRST-CLASS TRAVELLERS wanted for a very high-class firm of cosmetic manufacturers. Box 2/380.

FOOD importers require well introduced representative for Greater London, visiting chemists to sell bottled edible oils and essences as side line. High commission. Detailed application and references. Box 2/346.

LABORATORY assistant required with sound knowledge of ethical; competent to deal with doctors, institutions and works chemists. Apply, giving full particulars to Philadelphus Jeyes & Co., Ltd., 8 College St., Northampton.

MANUFACTURERS of well-advertised product require live representative already calling on chemists, etc., in Yorkshire. Commission basis. Write fully Dept. Y, Box 2/311.

RETAIL (OVERSEAS)

NORTHERN RHODESIA. Qualified and unqualified men required by chemists with several branches in Northern Rhodesia. Accommodation available for unqualified man. Suggested contract of three years. Further particulars from Orridge & Company, 184 Strand, W.C.2.

MANUFACTURERS of well-advertised product require live representative already calling on chemists, etc., in Derby, Nottingham, Lincoln, Leicester, Stafford, Warwick, Northampton, Shropshire, Worcester and Hereford. Commission basis. Write fully Dept. M, Box 2/310.

MANUFACTURERS of well-advertised product require live representative already calling on chemists, etc., in Oxford, Buckingham, Berkshire, Hampshire, Surrey and Sussex. Commission basis. Write fully Dept. S, Box 2/312.

MANUFACTURERS of well-advertised product require live representative already calling on chemists, etc., in Wales. Commission basis. Write fully Dept. W, Box 2/313.

MANUFACTURERS of plastic hair brushes and sundries require well-introduced representatives for outstanding product on commission basis. Please reply to Box 2/372.

MANUFACTURERS of well-advertised product require live representative already calling on chemists, etc., in Gloucester, Wiltshire, Dorset, Somerset, Devon and Cornwall. Commission basis. Write fully Dept. S.E., Box 2/314.

MANUFACTURERS of C.F. preparations require representatives or agents for all areas to carry their products on a 20 per cent. commission basis. Applicants must have good connection and be prepared to give full representation. Applications, with full particulars of present territory, companies represented and lines carried, to Box 2/390.

MANUFACTURERS of pharmaceutical specialities near Liverpool have a vacancy for a pharmacist (Ph.C. or B.Pharm. preferred) to take charge of department manufacturing tablets, injections, etc. Possibility of transfer to London later. Reply in first instance to Messrs. Ward, Blenkinsop & Co., Ltd., 6 Henrietta Pl., London, W.1.

MANUFACTURING chemists with interests in proprietary field at home and for export wish to appoint a buyer. Applicants should have technical knowledge of printing and associated trades, and good experience of stock control. Details of any contact with drug buying should be given. In applying, state experience and expected salary, together with two references. Box 2/328.

MANUFACTURING chemists, London area, have vacancy in their pill factory for an assistant with previous experience, or willing to learn the trade. 5-day week. Write, stating age, details of previous experience, to Box 2/353.

OLD-ESTABLISHED ESSENCE HOUSE, supplying mineral water and confectionery trades with their manufactured specialities, require the services immediately of a full-time representative for the Midland Counties; permanent appointment with excellent opportunities for the right man; present connections will be handed over; the appointment will be on salary, expenses and commission basis; preference given to applicant with existing connection on the territory. Motor car necessary. Age not to exceed 35 years or thereabouts. Reply in confidence with full particulars. Box 2/381.

PILL and tablet coater. Experienced in all types of coating work, resident in London area, required by manufacturing chemists working 5-day week. Apply with full details of past experience, age, and salary required, to Box 2/352.

QUALIFIED CHEMIST required by progressive manufacturing chemists in the North-West, manufacturing galenicals, ointments, tablets, etc., would be expected to deal with own formulas and take full charge of the manufacturing and purchasing of raw materials. State full particulars, previous experience, age and wages. Box 2/347.

REPRESENTATIVE to call on chemists; salary and commission; Birmingham and radius of approximately 25 miles. Box 2/214.

REPRESENTATIVE with pharmaceutical training required by old-established London firm of pharmaceutical manufacturers to visit chemists, doctors and hospitals in London. Application to Box 2/364.

REPRESENTATIVES required for the following areas: S. Wales, London and Home Counties and West Country, with good connection chemists and stores, etc., for nationally advertised medicinal product. Salary, expenses and commission. Apply, giving particulars, Box A. C. 24454, Samson Clark's, 57-61 Mortimer St., W.1.

REPRESENTATIVE for medical and trade visits required by an old-established London firm of manufacturing chemists. Experience of medical propaganda an advantage; pharmacy training essential. Applications invited from pharmacists and unqualified assistants for (1) Greater London territory; (2) Wales and Monmouth, Cheshire, Staffordshire, Shropshire, Warwickshire, Wiltshire, Herefordshire. Give full particulars of experience, age, and salary required, and enclose a recent photo, which will be returned. Box 2/355.

REPRESENTATIVES required to carry additional toilet and medicinal line on commission basis. Box 2/386.

REPRESENTATIVES required for the Newcastle and South-East and South-West London areas to handle smart range of packed pharmaceuticals. Connection amongst the grocery trade in these areas essential. Remuneration by salary, expenses and commission. Apply with fullest details, in strictest confidence, to Kempac, Ltd., Batley.

REPRESENTATIVES for two territories required by ethical house with wide range of preparations, calling only on wholesale and retail chemists in (1) South Wales and West Midlands; (2) East Midlands. We offer a permanent position, with liberal salary, expenses and commission, to men having established connection and long experience. Send full details, age, etc., in confidence, to Box 2/258.

REPRESENTATIVE with established connections with chemists, Co-ops., and stores, required to sell range of pharmaceutical lines, beauty aids, etc., in South Wales, Monmouth and adjoining counties. Car owner preferred. Only men with first-class sales records need apply. Existing accounts will be transferred. Salary, commission and expenses. Fullest details in confidence to Box 473, Arthur S. Dixon, Ltd., 229 High Holborn, London, W.C.1.

REPRESENTATIVES with established connections with chemists required by manufacturers of household commodity (nursery) in daily use. Very liberal commission terms. Car essential. Box 1/971.

THE BRITISH DRUG HOUSES, LTD., have the following vacancies on their scientific staff. Qualified chemists in production departments to act as shift chemists. Experienced chemists of B.Sc. or equivalent qualification in the analytical laboratory. Experienced laboratory technicians with Inter B.Sc. qualification are also required in the analytical laboratory. Please forward record or qualifications and past experience to Personnel Manager (Ref. P), Graham St., City Rd., N.1.

TRAVELLER required for London area. Commission and small salary. Please state previous experience, etc., Box 2/385.

UNQUALIFIED lady assistant required at once by Wright, Layman & Umney, Ltd., for position in modern ampoule department. Apply, with references and full particulars of experience and salary required, to 66/76 Park St., S.E.1.

VACANCY for sales representative. Established makers of exclusive toilet preparation have a vacancy in some areas for an experienced and well-introduced sales representative who is willing to give proof of this and full details and references in first letter. On commission rate only (15%). Box 2/303.

WHOLESALE manufacturing chemists in Scotland require qualified assistant to warehouse manager. Wholesale experience preferred. Write, Box 3150, Hites, Ltd., 72-78 Fleet St., London, E.C.4.

WHOLESALE in toilet brushes and chemists' sundries require live representation calling on chemists and stores for the southern counties. Connections essential. Apply Box 2/366.

WHOLESALE (OVERSEAS)

LYON. Qualified chemist capable of taking over management of department, salary and allowances approximate £1,000 per annum, 4 years' engagement, passage paid out and home. 6 months' home leave with half pay and free passages if engagement renewed. Low income tax and other benefits. The position holds excellent prospects. Full particulars of experience to Box V.81, Willings, 362 Gray's Inn Rd., W.C.1.

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-£600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; provident fund benefits. Applicants must be of full British parentage and should write, stating age, qualifications and experience, to Dept., F.18, Box 162/462.

OVERSEAS. Pharmacist required for medical representative work in Malaya. Single, of good address, age not exceeding 28. The position is interesting and offers good prospects. Write giving all details, particulars of education, etc. Box 2/365.

PLANT CHEMISTS urgently required for process plant operations by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to Inter-Sc. or National Certificate Standard with experience of shift work in either a gas, coke oven or chemical works. Age not over 30. Salary in sterling between £540 and £600 per annum plus generous allowances in local currency, with free furnished bachelor accommodations, passages out and home, medical attention, also kit allowance and provident and benefits. Apply, stating age, qualifications and experience, etc., to Dept. F.22, Box 162/461.

SITUATIONS WANTED

1/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

EXPERIENCED DISPENSER (Hall) requires post in hospital or private practice. Southern counties. Permanency or locums. Box 2/360.

UNQUALIFIED DISPENSER (female) requires post in shop, or to doctor in Plymouth, in New Year. With accommodation preferred. All letters answered. Box 2/359.

WHOLESALE

BUSINESS executive, desires change. Proven ability in both sales administration, and general business organisation and management. London or Home Counties preferred. Alternatively, would consider taking active financial interest in sound progressive company. Box 2/342.

EXPERIENCED Irish representative. Pharmaceutical chemist seeks representation reputable firm. Conscientious worker. Extensive connections wholesalers/retailers. Box 2/348.

HOSPITAL PHARMACIST with wide experience all branches, both London and provincial, desires executive position with firm of repute. Sound and up-to-date knowledge of modern pharmacy and therapeutics. Excellent testimonials and references. Box 2/358.

LANCS/YORKS. Representative, 33, car owner, seeks post. All or part above territory. Serious representation offered. Box 2/384.

KEEN, ENERGETIC REPRESENTATIVE with own car, and having a very large connection throughout Yorkshire, is open to accept a reputable line on commission and expenses basis. Box 2/368.

APPOINTMENTS

BRITISH PHARMACOPŒIA COMMISSION RESEARCH ASSISTANT

Applications for this post are invited from pharmaceutical Chemists and University graduates in Pharmacy. Salary £400 per annum, rising by annual increments of £25 to £500. The commencing salary may be fixed at any point within this scale according to qualifications and experience.

Applications to the Secretary, British Pharmacopœia Commission, 44 Hailam St., London, W.1.

CITY OF BRADFORD

MUNICIPAL GENERAL HOSPITAL, ST. LUKE'S.

Applications are invited from registered women pharmacists for the post of Assistant Pharmacist at St. Luke's Hospital.

The salary is in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs).

This appointment is subject to the Local Government Superannuation Act, and the person appointed will be required to pass a medical examination.

Applications, giving full details of qualifications, experience, etc., should be forwarded to the Medical Superintendent, St. Luke's Hospital, Bradford, as soon as possible.

W. H. LEATHAM, Town Clerk.
Town Hall, Bradford.
1st December, 1947. (7009)

CONNAUGHT HOSPITAL, E.17

ASSISTANT DISPENSER required. Appointment vacant early January. Hospital experience preferred. Male or female. If holding Hall Certificate salary will be £270-£350 according to experience. Applications, stating age, qualifications and experience and names of two referees, to be sent to the undersigned, R. HALTON HARRISON.

SURREY COUNTY COUNCIL

ST. LUKE'S HOSPITAL, GUILDFORD PUPIL PHARMACIST (male or female) required. Preference will be given to candidates who possess a Degree or Diploma in Pharmacy, but applications from others with Dispensary experience only will also be considered. Salary will be £200 p.a. for the holder of B.Pharm. degree and will be fixed according to age and experience for an unqualified pupil. Further particulars may be obtained from the Medical Superintendent of the Hospital to whom applications, by letter, stating age, qualifications and experience, together with three testimonials, should be sent.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST required at **HILLINGDON COUNTY HOSPITAL**, Nr. Uxbridge, Middx. J.N.C. (Hosp. Staffs) minimum commencing salary £370 p.a. to £450 inclusive. Similar experience may determine commencing salary. Established, pensionable, subject to medical examination. Recently qualified pharmacists considered. Applications, stating age, qualifications, experience, enclosing copies of up to three recent testimonials to **MEDICAL DIRECTOR** of Hospital by 20th December. No forms (quoting D.170 CD). (Male candidates to state position with regard to Military Service.)

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for **CENTRAL MIDDLESEX COUNTY HOSPITAL**, Park Royal, N.W.10. Similar experience may determine commencing salary. J.N.C. (Hosp. Staffs) inclusive scale £370 x £15 (4) x £20—£450 p.a. Whole-time, established and pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials to **MEDICAL DIRECTOR** of Hospital by 27th December (quoting D.233 CD).

C. W. RADCLIFFE,
Clerk of the County Council.
Middlesex Guildhall, S.W.1.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for **HAREFIELD COUNTY HOSPITAL**, Harefield, Middlesex. (Registered essential). J.N.C. (Hosp. Staffs) salary £370 inclusive; annual increments up to £450 p.a. considered. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment; subject to medical examination. Application stating age, quals., exper., with copies of up to 3 recent testimonials to **MEDICAL DIRECTOR** at Hospital, IMMEDIATELY. No forms (quote C 292 C D).

C. W. RADCLIFFE,
Clerk of the County Council.
Middlesex Guildhall, S.W.1.

QUEEN MARY'S HOSPITAL FOR THE EAST END,

Stratford, London, E.15.
ASSISTANT PHARMACIST

Applications are invited from registered pharmacists for this appointment which will be vacant on January 12, 1948. Salary scale, £370 per annum with annual increases of £15 up to £450 per annum. Commencing salary within scale according to qualifications and experience. Federated Superannuation Scheme in force.

Applications giving full particulars of age, qualifications and experience and copies of recent testimonials should be sent to the undersigned as soon as possible.

M. J. HUNTLEY,
House Governor and Secretary.

CORPORATION OF WILLESDEN**APPOINTMENT OF PHARMACIST**

Applications are invited for the following appointment:—

ASSISTANT PHARMACIST. The salary will be in accordance with the Joint Negotiating Committee at the rate of £370 per annum, rising by four annual increments of £15 and one increment of £20 to a maximum of £450.

The work will be carried out at the hospitals and health centres and previous experience will be taken into consideration in determining the commencing salary.

The appointment is terminable by one month's notice on either side and is subject to the provisions of the Local Government Superannuation Act, 1937, to the regulations governing officers of the Council and to a satisfactory medical examination.

Off duty is granted one Saturday morning in every three.

The candidate appointed will work under the direction of the Chief Pharmacist.

Forms of application may be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, N.W.6, to whom they must be returned marked "Pharmacist," not later than 20th December, 1947.

R. S. FORSTER,
Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

AGENT with chemists' connections required to carry an additional line of small cosmetic bottles. Write full particulars first application, to Box 2/340.

AGENTS with good connections required for the sale of Perspex and Nylon brushes. Prompt deliveries. Box 2/350.

AGENTS wanted by firm of surgical rubber goods. Gentlemen with good connections in the retail trade. Apply, stating territory to Box 1/862.

DISTRIBUTORS Chemical & General (Halifax), Ltd., Crown Court, Crown Street, Halifax, advise manufacturers that they are now re-opening their agency department and are prepared to consider agencies from first-class companies offering reasonable terms as regards commission, price to wholesale, price to retail, price to consumer, and speedy delivery.

DUBLIN FIRM of produce brokers, with central offices and travelling staff, covering wholesalers throughout Eire, seeks good English agencies, buying as principals. Lines other than produce considered. Box 1346, Eason's Advertising Service, Dublin.

EIRE. Johnson Agencies would be pleased to handle two further products for Eire. Ample storage capacity and a complete coverage. Facilities also for manufacturing if necessary. Write in first instance to either Johnson Agencies (Proprietaries), Ltd., 32-40 North St., Horsham, Sussex, or to 139 Upper Dorset St., Dublin.

Distributor in Eire required to pack well-known English proprietary medicinal tablet and distribute throughout Eire. Write, giving full particulars of organisation and services offered, to Box 2/295.

EDIBLE EMULSIFIERS**Available****STEEL & GENERAL LTD****44 BOW LANE • LONDON • E.C.4**

Phones: CITY 2556 & 5540

EXPORT MARKET in Eire. The Distributors Chemist & General (Halifax), Ltd., Export Division, are prepared to consider accepting agencies from reputable firms for the sale of goods in Eire. This country is worked thoroughly by two full time men, one resident in Ireland. Terms and samples to Town Court, Crown St., Halifax.

MANUFACTURERS of pharmaceutical products require an agent for Yorkshire (or the West Riding one). Must have good connection with wholesale & retail trade. Car owner preferred. Write, giving details of lines already carried, etc., Box 329.

WANTED. Goods for export. We have 2,500 foreign buying agents in Africa, Palestine, Near East, India, Ceylon, Malaya, Hong Kong and Far East with big absorbing capacity for all kinds of goods suitable for export where continuous supplies are available. Job lots not wanted. You should contact us immediately for present and future orders. Quilliam Products, 22 High St., Kingston-Thames.

BUSINESS OPPORTUNITIES

/6 for 36 words or less, 4d. for every additional word

LIMITED COMPANY, small, but financially sound & old-established, with offices and manufacturing facilities in London, wishes to purchase or join forces with firm interested in food, confectionery, pharmaceutical or toilet products. Wide experience in production, selling and advertising by mail order & through trade, home and export. Reply to Box 2/344.

PROPRIETORS of hygienic factory have facilities for assembly work or light packing. Strictest supervision and good work guaranteed. Write Box A.C. 563, Samson Clarke, 57/61 Mortimer St., W.1.

SOUTH AFRICA offers splendid opportunity to manufacturers who wish to conduct and expand part of their export trade from South Africa in a peaceful and economical way. We are a firm of thoroughly established agents, distributors, with manufacturing facilities. We are prepared to discuss manufacturing and/or distributing, eventually for export. Correspondence treated confidentially. British trade references available. Dominion and Continental Agencies, P.O. Box 77, Durban.

BUSINESSES FOR DISPOSAL

/6 for 36 words or less, 3d. for every additional word

CHEMISTS OR DRUGGISTS, West London. £50 weekly. Weekly sub-let, upper portion pays rent. Good lease. Excellent clean stock and fittings. Easily run. £600 plus fittings and stock. Box 2/375.

FOR SALE by private bargain, the old-established chemist's business and shop situated at 8 King Street, Inverberrie, Kincardineshire, Scotland. Wide area served. Shop suitably equipped. Optics also carried on. Owner going abroad. Immediate entry. Rental £18. No feuduty. For particulars of overruns, etc., apply to Messrs. Cunningham and Robertson, Solicitors, Stonehaven, Scotland.

RETAIL DRUG store for disposal. Lock-up, but living rooms and garage available. Good position in suburban East London. Takings £200 weekly. Suitable chemist, druggist, manufacturer or multiple. Terms or enquiries, Box 2/349.

VACUUM FLASK REFILLS WITH CORKS, Belgian manufacture; capacity approximately one pint. Minimum order case lots of 300 for delivery January, 1948, limited quantity available, prompt application advised. Price 3/6 per refill, carriage paid.—THE HALL TRADING CO. LTD.
15 BARBICAN, LONDON, E.C.1

PROPRIETARY BUSINESS—MAIL ORDER, for disposal with or without premises. Considerable scope. Ingredients were not obtainable until recently and turnover dropped last year to £108. Did approach £700 prior to the war and now ingredients are available there should be further considerable scope. Rent of premises if required, 30s. per week. Total purchase price, to include £500 stock and plant—£850 or nearest offer. Partnership entertained. Box 2/320.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

ADVERTISERS offer surplus to requirements, white block stearic acid M.P. 118/120. Interested buyers write Box 2/339.

MIXER, heavy duty, Melvin, with two signia blades running at different speeds. Trough 18 in. x 18 in. x 16 in. New condition. £130. Box 2/357.

BOTTLES. 30 gross 6-oz. plastic screw cap medicals, plain, 38/- gr. 10 gross perfect washed 4-oz. medicals, white flint panel and plain, 24/- gr. Prices ex Leeds. 5 gross Simplex American safety razors, neatly cartoned, 12/- doz., inc. tax. Lever, 44 St. Albans St., Leeds, 2.

JARS. 1-oz. amber, 1-oz. black, 2-oz. black, 2-oz. white flint, 1½-oz. white flint, 4-oz. pomade. In all approximately 70 gross. What offers for the whole consignment? Apply W. Stevens & Co., 78 Upper Richmond Rd., London, S.W.15.

SULPHONATED CASTOR OIL, 50 per cent. by weight castor. Two 40-gallon drums, approx. weight 4½ cwt. each, for sale at 95s. per cwt. Drums and carriage free. Borax coml. pvd., 4 cwt., at 31s. cwt. Box 2/356.

SURPLUS BOTTLES AND JARS for disposal. 2-oz. W/F fluted jars with B/E caps; 2½-oz. amber jars with B/E caps; 12-oz. W/F jars with caps; ½-oz. W/F jars with caps; 2-oz. indirect square bottles with bakelite caps; 1-dr. perfume bottles with bakelite caps. Offers to Box 2/374.

SURPLUS Copper Sulphate, Sodium Sulphate B.P. and Commercial Crystals, Sulphur Brown Dye 200%, Sulphur Brown Dye 400%, Benzoic Acid B.P.C., Bornyl Acetate Pure, Salt Cake, Camphor Tablets and Powder B.P., Oleic Acid and Spermaceti Wax. Box 2/377.

SURPLUS. 60 gross 3-oz. tablet bottles, with caps. 320 gross pint corks. 60 gross quart corks, 40,000 transparent and Manila envelopes, size 2½ in. x 4 in. Samples, prices available on request. Apply Box 2/351.

SURPLUS stock for disposal. 8-cwt. soft cotton seed stearine, £112 ton or offer. 1-oz. and 2-oz. squat glass jars with enamel caps. 2-oz. wide mouth fancy toilet bottles with black bakelite caps. 3-dm. squat glass jars with unishell caps. About 100 gross of each. Offers wanted for whole or part. Box 2/345.

SURPLUS STOCK. 100 gross round sprinkler drums, covered yellow, approximately 4-oz., size 2 in. x 3½ in., perforated metal caps sealed, suitable violet powder, etc. Price to clear, 20/- per gross. Bulk split if necessary. Samples on application. Surplus stock, cannot be repeated: 35 gross yellow, 45 gross white petroleum jelly 2-oz. attractive printed tins. Price 22/- per gross. Sample submitted if applied for. Box 2/378.

GENUINE SURPLUS DISPOSAL OFFER

600 gallons Pool 30 Oil

25 cwt. Pulv. Ext. Glycyrrh

9 cwt. Sulphur Sublim, B.P.

Sold Separately

FIRST REASONABLE OFFER ACCEPTED

BOX 2/354

SURPLUS STOCK. 28 x $\frac{1}{2}$ cwt. Glycerine B.P. 3 cwt. Calamine Praep. 2 cwt. Zinc Oxide, 2 cwt. Ext. Glycyrrh Liq. 1 cwt. Italian Liqueur Juice (2 oz. sticks). 25 gross 4 oz. S/C. Panels, 5 gross 1 oz. Bak. S/C. Panels. Offers wanted, part or whole. Box 2/362.

WHITE PEARL JARS, 1 oz., complete with black bakelite caps, approximately 11 gross, 54s. per gross; also No. 1 clear table bottles, 16s. per gross, complete with caps, free delivered London area, Lewis & Melchior, 81A Church Rd., Hendon, London, N.W.4. Hendon 3666.

150 GROSS 2-oz. white flint ponade jars. Without caps. What offers? Box 2/389.

150-200 GROSS UNUSED 2-oz. opal cream pots complete with black caps. Packed in cartons of 1 doz. Box 2/379.

200,000 SPOOLS surgical adhesive tape. Enamel spools containing 5 yds. x 1 in. tape. Brand new. Packed in original cartons, U.S.A. manufacture, by firms of high repute. Offered at bargain prices. Send for quotation, stating quantity required. Uniproducts (M/c), Ltd., 136 Bolton Rd., Salford, 6, Lancs. Tel. Fendleton 1341/3.

WANTED

8/6 for 36 words or less, 3d. for every additional word

A BIG PRICE offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond St., London, W.1.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Rd., Holloway, N.15.

BOTTLES. Bottles. We will buy all your surplus stocks, spot cash. Any shape or size. Large or small quantities. Call or write with details. Hendstock & Co., 6 Hamilton Sq., Birkenhead. Tel.: Birkenhead 5546.

BOTTLES. 26-oz. and 13-oz. wine or champagne bottles required. Box 1/853.

CALCII CARB., dense, B.P., aspirin, granular, B.P., saccharin powder 550 and No. 3 tablet bottles urgently required by manufacturers. Box 2/268.

CARMINE WANTED. Regular monthly supplies ex contract preferred, but single lots any quantity will be accepted. Sample and price required to Box 2/246.

DENTIST seeks unusual, recent, or old-time tooth-brushes and gum massagers for a dental exhibit. Folding, refillable, mechanical, double-end and other unusual shapes or designs. Will promptly remit 6/- plus postage for each different brush, or write, Dr. Francis Blauston, 33 West 42 Street, New York, 18, N.Y. U.S.A.

EMPTY CARTONS, sizes 9 x 9 $\frac{1}{2}$ x 12 (Heinz beans); 8 x 9 $\frac{1}{2}$ x 13 $\frac{1}{2}$ (dried egg); 8 x 10 x 12, urgently required. Offers (minimum quantities of 1,000), to Box 2/367.

Trade DEVELOPING and PRINTING ENLARGING - COLOURING COPYING

Good quality work, quick service.
35 mm. also processed. Films developed
in special developers to order. Sample
gladly given.

Loudens Photographic Industries
27 CENTRAL DRIVE, BLACKPOOL, LANCs

FOR EXPORT: Barium chloride, papaverine hydrochloride, sodium nucleinate. Box 2/326.

GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to Box 157/296.

GLYCERINE B.P. urgently required. Good price offered or 27 dozen packets standard saccharine tablets (100's) in exchange or 1 cwt. pro rata for 28 or 56-lb. tins white petroleum jelly B.P. in large quantities. Box 2/180.

MIXER WANTED. Horizontal steam jacketed with double blades, 700-800 lb. capacity. Stainless steel preferred. Particulars to Box 2/361.

PACKER requires regular monthly supplies of bulk liquorice and menthol pellets. Particulars to Box 2/298.

PACKER requires regular monthly supplies of bulk peppermint tablets. Particulars to Box 2/299.

PEPPERMINT OIL required, any grade and any quantity. Box 2/388.

PHENACETIN B.P., Mag Carb Levis B.P., Formic Acid 85%, Formaldehyde 40% and Glycerine B.P. required in substantial quantities. Highest market prices paid. Box 2/376.

SACCHARIN tablets. Standard controlled. Regular supplies required by a private country pharmacy. Write in strictest confidence to Box 2/235.

STEARIC ACID, triple pressed required in large quantities. Box 147/850.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/307.

4-OZ. FLAT medicinal bottles required, capped, preferably panel, in quantities of 5 to 20 gross lots. 48/- to 56/- per gross offered. Gray, Chemist, Taunton.

PARTNERSHIPS

ADVERTISER wishes to contact small ambitious private company interested in the development of new medicinal and toilet preparations into popular national proprietories. Advertiser possesses unique knowledge and experience of products within this class, and is responsible for the presentation of many products distributed throughout the world. A partnership basis desirable, and capital is available. Please write in confidence to Box 2/315.

TRADE MARKS

THE TRADE MARK SANPIC, registered under Nos. 543851 and 576862 in respect of, inter alia, disinfectants, germicides, antiseptics, deodorants, and pharmaceutical preparations, except adhesive plasters and bandages and goods of a like kind, was assigned on April 21st, 1947, by the Harpic Manufacturing Co., Ltd., of Kingston Works, Dansom Lane, Hull, to Reckitt & Colman, Ltd., of the same address without the goodwill of the business in which it was then in use.

Direct your enquiries to
The associated
Companies of



Carnegie Chemicals
(Welwyn) Ltd

Carnegie Quinine Works
Ltd

Manufacturers of FINE CHEMICALS

ALOIN . AMINOPHYLLINE
ATROPINE & SALTS . BARBITONE SOLUBLE
BISMUTH SALTS . BROMISOVALERYLUREA
CAFFEINE SALTS . CHLORAL HYDRATE
CHRYSAROBIN . CITRATES
EPHEDRINE & SALTS . ESERINE & SALTS
IODIDES . LITHIUM SALTS
PHENAZONE SALICYLATE
PHENOBARBITONE
PHENYTOIN & SOLUBLE
PODOPHYLLIN RESIN
SALICYLATES . SALOL . SANTONIN
SPARTEINE SULPHATE . STILBOESTROL
STRYCHNINE & SALTS
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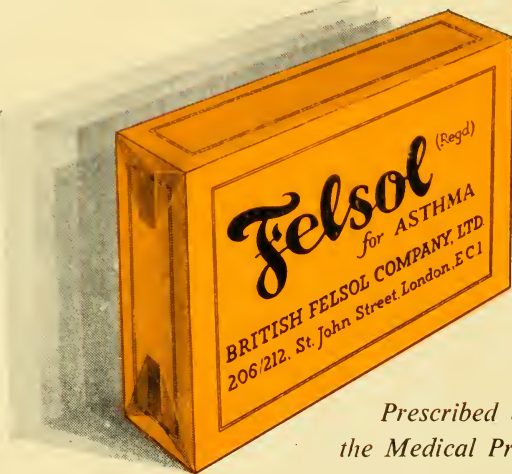
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